

No. 714.



JAMAICA

## WEATHER REPORT

FOR THE MONTH OF

JANUARY, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
Morant Point Light House	8	29.984	29.948	77.6	80.9	82.5	75.1	7.4	83.8	19	68.8	28
Kingston	24	29.952	29.894	69.5	83.7	85.8	68.5	17.3	88.6	14	66.1	9
Negril Point Light House	33	29.963	29.924	71.2	81.2	84.2	68.8	15.4	86.4	7	66.3	3
Castleton Gardens	496			65.1	79.3	81.5	64.1	17.4	85.0	18	59.0	18
Hope Gardens	668	30.008	29.907	68.5	83.1	85.7	66.3	19.4	88.0	15	63.0	10
Boon Hall	970											
Hill Gardens	4,900	25.259	25.248	61.2	63.6	66.6	54.0	12.6	68.0	3	53.0	3

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.	3 p.m.			7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
Morant Point Light House	8	72	82	75	2.14	308	NE	16.0	NE	12.0	4.2	1.9	0.3	0.8	2.8
Kingston	24	64	83	69	0.66	193	NNE	5.0	SE	14.8	1.0	0.6	1.1	2.8	1.4
Negril Point Light House	33	68	89	74	3.97	126	NE	4.5	Var.	9.4	3.5	0.4	2.4	2.9	2.8
Castleton Gardens	496	63	95	74	85	4.72									
Hope Gardens	668	82	82	71	67	0.27									
Boon Hall	970														
Hill Gardens	4,900	58	88	61	88	2.64									

\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

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# **National Oceanic and Atmospheric Administration**

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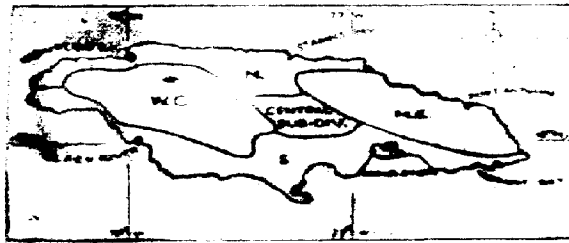
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March 28, 2002

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



January, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	3.07	0.85	19	19	5.61
Priestman's River	4.30	1.30	19	6	5.66
Bath	5.58	1.60	22	13	6.12
Barrett's Gap	6.31	1.58	22	18	
Millbank	12.16	2.40	19	15	
Moore Town	9.21	1.55	24	19	16.89
Port Antonio	7.09	1.62	22	21	8.71
Passley Garden	5.25	1.20	22	18	
Fellowship	9.48	1.50	19	17	12.54
Johnson River Br.	3.51	1.30	22	9	3.30
Trinity Ville	4.08	1.62	23	8	
Fruitful Vale	10.01	1.62	19	20	
Hope Bay	5.10	1.04	29	18	
Cedar Valley	5.20	2.60	23	11	3.65
Moy Hall	5.22	3.22	23	8	3.65
Paradise	11.59	2.00	19	17	
Lennox	10.90	2.05	29	8	
Greenvale	7.84	1.99	29	11	20.33
Darley	6.73	1.70	19	17	
Spring Garden	4.94	1.42	29	15	8.92
Hill Gardens	2.64	0.90	23	8	7.10
Buff Bay	6.90	1.50	29	16	9.33
Orange Vale	8.84	3.50	29	10	
Belvedere, Portland	5.75	1.50	1	6	12.41
Windsor Castle, do	7.29	1.35	29	12	6.37
Balcarres	7.21	2.50	29	11	
Mt. Holstein	2.53	1.04	29	8	16.06
Cedar Hurst	1.66	0.45	24	8	
Hardware Gap	2.65	0.65	24	11	5.70
Rose Hill	2.04	0.46	23	8	4.11
Hermitage	1.00	0.22	29	11	
Mount Airy	1.69	0.54	29	7	
Stony Hill Ind. Sch.	0.44	0.20	29	3	2.96
Boon Hall	0.60	0.14	22	10	

STATIONS.	January, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, <i>contd.</i>					
Brandon Hill	Ins.	Ins.			Ins.
Iter Boreale	3. 15	2. 10	29	3	
Enfield	13. 71	8. 00	29	12	
Agualta Vale	6. 04	4. 51	29	8	7. 44
Castleton Gardens	4. 72	2. 24	29	10	9. 29
Water Valley	5. 78	2. 10	29	10	7. 96
Albany	5. 95	1. 84	29	15	4. 63
Lawrence Tavern	1. 12	0. 62	23	4	2. 69
Wey Hill	3. 40	1. 25	23	9	
Richmond, St. Mary	7. 35	2. 10	29	9	7. 20
Quebec, St. Mary	5. 02	1. 65	19	15	6. 36
Above Rocks	0. 44	0. 33	27	2	
Glengoffe	2. 05	0. 80	23	4	
Carew Castle	0. 89	0. 27	29	5	2. 72
Hampstead, St. Mary	10. 55	3. 40	29	17	10. 18
Windsor Castle do.	7. 81	2. 20	29	12	
Troja	3. 96	1. 27	29	11	
Pear Tree Grove	7. 11	2. 88	29	7	
Guy's Hill	6. 02	2. 10	29	11	6. 24
Lucky Hill	8. 14	2. 59	23	11	7. 45
Rio Hoe	6. 98	2. 35	29	11	5. 76
Unity Valley	6. 08	1. 51	27	14	4. 93
Moneague	5. 63	1. 38	29	12	4. 84
Claremont	6. 95	1. 75	29	6	5. 91
Averham Park					7. 06
Albion	5. 66	1. 08	23	12	5. 37
NORTHERN DIVISION (N).					
Port Maria	4. 93	1. 00	17	4	5. 85
Wentworth	3. 23	0. 90	19	10	
Oracabessa	5. 26	1. 88	19	10	
Huddersfield	4. 42	3. 09	23	3	
Ocho Rios	5. 68	2. 96	23	12	4. 73
Bogue, Ocho Rios					5. 68
Drax Hall					6. 03
Rockfield	8. 54	2. 46	29	14	7. 67
Liberty Hill	3. 48	1. 00	23	12	6. 53
St. Ann's Bay	6. 56	2. 42	23	17	5. 22
Seville					5. 76
Richmond Estate	3. 45	1. 25	23	14	5. 82
Llandovery					5. 99
Runaway Bay	2. 80	0. 92	24	8	2. 85
Knapdale	7. 94	3. 08	29	14	
Alexandria	1. 94	0. 65	23	6	2. 79
Bel-Air	7. 05	2. 45	23	9	
Brown's Town	5. 77	2. 10	29	18	6. 01
Wilton	5. 92	2. 40	29	15	
Watt Town, St. Ann	2. 65	1. 35	26	11	2. 82
Home Castle	8. 69	4. 25	29	7	5. 52
Richmond Pen					5. 34
Arcadia	5. 48	2. 45	29	11	4. 76
Vale Royal	5. 93	2. 55	29	9	5. 03
Harmony Hall					4. 02
Duncans	3. 69	1. 25	23	5	
Clark's Town	6. 44	2. 40	31	10	
Falmouth	3. 73	1. 30	23	6	3. 82
The Hague	3. 95	1. 35	23	11	
Wales	5. 85	1. 95	23	6	

STATIONS.	January, 1936.					STATIONS.	January, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	4.30	1.50	29	8		Mereworth	7.97	6.00	23	11	
Success	3.30	1.85	23	7	2.12	Mandeville	8.75	5.57	23	8	3.03
Rose Hall	2.64	1.19	23	7	3.42	Ulster Spring	4.82	1.50	27	9	3.42
Cinnamon Hill	2.79	1.35	23	7	3.49	Marshall's Pen	8.00	4.47	23	7	2.84
Tryall	2.75	1.35	23	6	2.12	Greenvale	5.01	2.33	23	11	
Running Gut	2.88	1.05	23	7	3.54	Albert Town	5.20	2.47	23	7	2.31
Spring Estate	3.60	1.65	23	6	3.83	Craig Head	4.25	2.67	23	3	
Friendship	4.08	2.40	23	11	3.74	Warsop	5.87	2.52	22	6	
Retirement	4.17	3.06	23	11	3.51	Troy	3.26	2.00	22	4	2.02
Rose Mount	2.29	1.03	23	9		Wallingford	3.25	1.87	23	7	1.80
Montego Bay	2.02	0.92	23	6	2.88	Balacava	4.11	2.06	23	8	1.81
Anchovy	1.37	0.96	23	8	2.85	Wakefield	3.65	2.00	23	5	
Hopewell	4.20	1.55	23	7		Maggotty	2.70	1.77	23	6	2.90
Bamboo (Hanover)						Lacovia	3.22	1.95	23	4	
Blue Hole	4.18	3.03	23	7	3.15	Kempshot	3.73	2.67	23	11	3.76
Cascade	7.29	3.05	23	11		Mochu, St. James	2.84	1.65	23	4	
Kew					2.44	Bandon Pen	2.90	1.35	23	5	
Lucea	3.36	1.94	23	7	3.13	Catadupa	3.42	1.81	23	9	2.36
Haughton Court	3.73	2.45	23	7	2.58	Cambridge, St. James	4.29	1.76	23	9	2.33
Kendal-Hanover	6.68	2.56	23	10		New Market	3.76	1.93	23	2	2.47
Cousins Cove	4.08	1.45	23	15		Kew Park	2.61	1.72	23	6	22.8
Green River	5.24	2.30	20	9		The Bog	3.25	1.40	25	5	2.73
Green Island	4.25	1.02	20	6	2.38	Bethel Town Dist.	2.46	1.24	23	8	3.41
Haughton Hall	4.66	1.80	20	12		Burnt Ground	3.12	1.23	23	8	2.58
CENTRAL SUB-DIVISION.						Haughton Grove	1.83	1.15	23	8	3.04
Knollis	0.86	0.31	23	5		Darliston	4.80	1.95	23	10	2.93
Highgate (St. Cath.)	1.09	0.41	17	5		Bluefields	3.96	1.26	17	10	2.81
Rio Magno	3.23	0.90	25	10		Whithorn	9.75	2.50	15	12	2.38
Riversdale	1.21	0.53	29	3		Water Works Pen	4.69	2.45	23	9	2.03
Headworks, R.C.C.	0.67	0.36	23	2	1.62	Askenish	3.25	1.40	24	6	3.48
Bog Walk	0.91	0.45	26	4		Grange Hill	3.13	0.80	23	10	2.55
Linstead	0.88	0.36	23	5	2.30	King's Vale	2.74	1.19	23	8	3.05
Ewarton	2.10	0.65	23	8		SOUTHERN DIVISION (S).					
Cave Valley	1.09	2.00	23	5	2.21	Morant Point L. H.	2.14	0.93	21	10	4.16
Guanaboa Vale	2.51	0.92	23	4		Golden Grove	3.07	0.59	19	12	
Point Hill	3.89	1.92	23	8	3.41	Pleasant Hill	3.19	0.71	19	15	4.83
Brown's Hall	3.51	1.93	23	4	2.25	East Prospect	3.38	0.59	19	16	3.99
Bellas Gate	2.35	1.80	22	2	1.66	Morant Bay	3.24	1.00	22	15	2.84
Rock River	3.36	2.05	23	3		Aeolus Valley	1.94	1.40	22	3	
Crofts Hill	3.67	2.55	23	6	2.06	Yallahs	2.65	1.07	11	4	
Far Enough	2.72	1.76	23	11		Easington	1.75	0.93	23	8	1.60
Suttons	5.29	3.17	23	6		Mavis Bank	2.51	1.11	23	8	
Colonel's Ridge	4.49	2.09	23	10		Bull Bay	0.25	0.20	22	2	0.73
Chapelton	3.39	2.30	23	7	2.09	Dallas Castle	0.85	0.28	22	5	
Crooked River	3.04	2.15	23	5		Gordon Town	1.61	0.82	23	5	3.20
James Hill	3.25	2.05	23	8		Irish Town	1.51	0.85	23	5	2.22
Frankfield	5.70	3.32	23	6	1.45	Hope Gardens	0.27	0.10	22	8	1.79
WEST-CENTRAL DIVISION (W.C.)						Waireka					
Mochu, Clarendon	6.30	3.60	23	7	2.00	Ivor	0.61	0.15	23	7	
Clarendon Park	5.60	3.78	22	6		Barbican	1.17	1.00	31	4	
Porus	7.02	4.12	23	3		Plumb Point L. H.	0.60	0.35	23	2	0.74
Borobridge	4.48	1.70	22	9		King's House Gar.	0.23	0.23	31	1	1.35
Spaldings	5.22	2.91	23	9	2.70	Cavaliers	0.99	0.45	24	4	
Williamsfield	8.51	4.39	23	9		Upper Kingston	0.96	0.54	23	6	0.55
Brokenhurst	8.20	5.45	23	6	3.08	Parade Garden	0.65	0.60	23	2	
Shooters Hill	7.91	2.39	24	8	2.05	Kingston P.W.O.	0.66	0.47	23	4	0.87
Wait-a-bit	5.03	1.85	23	7		Constant Spring	0.16	0.14	22	2	
Christiana	4.23	2.15	23	7	2.37	Halfway Tree	0.52	0.31	31	3	0.97
Clifton Hill	10.33	5.33	23	5	2.10	Clifton Pen	0.97	0.73	23	4	0.71
K... al, Manchester	5.71	3.48	23	6	2.24	Seaward Pen					
						Red Hills	9.25	0.15	21	2	

STATIONS.	January, 1936.					STATIONS.	January, 1936.				
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		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	In.			Ins.
Quarantine Station	1.26	0.80	24	5	0.65	Alligator Pond	4.59	2.57	23	7	1.39
Hematine	0.96	0.45	23	4	1.12	Fairfield	5.72	3.32	23	9	2.38
Spanish Town	0.80	0.39	23	3	1.32	Myersville	7.65	3.75	23	6	
The Stewartry	0.77	0.41	23	2		Southfield, St. Eliz.	6.98	4.18	23	9	2.02
Cross Pen						Munro					
Hog Hole, St. Cath.	1.12	0.47	23	15	1.54	Windsor, St. Eliz.	6.63	3.20	23	9	
Old Harbour	3.29	1.79	23	4	2.03	Torrington	5.83	3.70	23	4	2.26
May Pen	5.37	3.88	23	5	1.36	Santa Cruz	3.24	1.32	23	6	2.51
Glen Muir	6.68	4.80	23	3		Hounslow	4.23	2.35	23	5	
Cottage	2.62	1.60	28	7		Pedro Plains	4.02	2.28	23	8	1.60
Belle Plain	5.41	3.44	23	5		Mountainside	3.82	1.75	23	5	1.64
Milk River	3.27	2.18	23	3	1.75	Fort Charles	2.75	1.20	23	5	
Retrieve	2.88	2.00	22	4	1.21	Black River	3.69	2.64	28	8	1.62
Hog Hole, S. Man.	6.72	4.72	22	3	1.83	Font Hill	3.90	2.65	23	4	1.76
Stone's Hope	6.67	5.00	23	8	2.42	Mount Edgecombe	2.87	1.20	24	7	2.07
Newport, Man.	7.26	4.38	23	10	2.56	Sweet River	3.70	1.76	23	12	1.92
						Sav-la-Mar	3.52	1.41	23	8	1.66
						Little London	4.27	1.21	23	9	1.90
						Retreat	3.73	1.05	23	9	1.82
						Negril Point L. H.	3.97	2.05	23	12	1.73

## NOTES.

## SHOCKS OF EARTHQUAKE IN JANUARY, 1936.

COMPARATIVE TABLE OF RAINFALL.  
AND RAINY DAYS.

COMPARATIVE TABLE OF RAINFALL. AND RAINY DAYS.					Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
DIVISIONAL  AND  ISLAND RAINFALL.	January.						None reported.	
	Rainfall.		Rainy Days					
	1936.	Ave.	1936.	Ave.				
	Ins.	Ins.						
North-Eastern	5.55	7.68	11	13				
Northern	3.90	3.67	8	8				
West-Central	4.80	2.80	7	6				
Southern	3.04	1.83	6	6				
The Island means	4.32	4.00	8	8				

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN AT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—JANUARY.

The mean rainfall for the Island was slightly above the average. The North-Eastern Division was below normal, but all the other Divisions were above.

The greatest total fall for the month was 13.71 inches at Enfield in the North-Eastern Division, and the heaviest fall in 24 hours was 8.00 inches at the same station on the 29th.

The heaviest precipitation occurred during the latter half of the month, and particularly on the 23rd and 29th.

The mean number of rainy days was 8, which is the average for the month. The greatest number was 21 at Port Antonio in the North-Eastern Division.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 7.04 inches was highest and Kingston with 0.72 inches was lowest.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	0.72	0.55	St. James	3.14	1.93
St. Andrew	1.15	2.27	Hanover	4.19	2.38
St. Thomas	3.66	3.43	Westmoreland	4.05	2.46
Portland	7.04	10.76	St. Elizabeth	4.36	1.91
St. Mary	6.42	6.27	Manchester	6.72	2.24
St. Ann	5.39	4.25	Clarendon	4.43	1.60
Trelawny	4.84	2.40	St. Catherine	2.24	2.30

## CITY OF KINGSTON.

January 1936 gave a total rainfall of 0.66 inch, as against the 60-year average of 0.87 of an inch. The greatest rainfall in 24 hours was 0.47 of an inch on the 23rd. There were four rainy days as against the 49-year average of 4.5 days. The upper boundary of Kingston gauged 0.96 of an inch, with six rainy days.

Distant rain was observed to the northward on two days, to the north-eastward on three days, to the westward and north-westward on one day each.

The mean barometric pressure was 29.937 inches; the 33-year normal being 29.974 inches, shewing 0.037 inch below the normal. The highest barometer reading was 30.008 inches on the 7th at 7 a.m., and the lowest was 29.822 inches on the 23rd at 7 a.m., corrected for diurnal variation.

The mean monthly temperature was 76.4°, as against the 33-year normal of 75.8°, or 0.6° above the normal. The highest maximum was 88.6° on the 14th, and the lowest minimum 66.1° on the 9th. On the other hand the lowest maximum was 81.8° on the 24th, and the highest minimum was 72.0° on the 23rd. The greatest daily range of temperature was 21.0° on the 25th, and the least range was 10.3° on the 23rd. The maximum was below 90° throughout, and the minimum was 70° and above seven times.

The mean daily miles of wind registered was 193; the 25-year normal being 163. The greatest number of miles of wind recorded in 24 hours was 320 on the 18th, and the least was 116 on the 25th.

South-easterly wind in the early morning once, continued after 7 p.m. on eleven occasions, and throughout the night once. There was a south-east squall, at 25 miles per hour, on the 5th shortly after noon.

The mean relative humidity was 75% as against the 33-year normal of 78%. The lowest 7 a.m. was 73% on the 4th, and the lowest p.m. was 42% at 5 o'clock on the 7th.

The sky was overcast in the early morning on six, and in the afternoon on thirteen occasions.

The total amount of evaporation for the month of January was 5.51 inches, the 10-year normal being 5.06 ins.

The mean daily number of sunshine hours was 5.5.

## NEGRIL POINT LIGHT HOUSE.

A table on page 6 gives the Meteorological Results for Negril Point Light House, situated at the western extremity of the Island, for the year 1935.

The extreme maximum temperature recorded was 90.6° on the 28th of July, and the extreme minimum was 61.6° on the 14th of March. The greatest range was 26.2° in the month of January, and the least range was 18.9° in August. The greatest monthly rainfall was 12.70 inches in July, and the least was 0.16 of an inch in November. The total number of rainy days was 150 for the twelve months. The months of May and October had 19 days each, being the most, and January and November recorded only 5 days each. The year's total rainfall was 60.94 inches, which is about 13% above that of the 34-year normal of 54.09 ins.

These observations were conducted by Mr. J. S. Brownhill, the Superintendent of the Light House.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of January, 1936, was 8.01 inches. Greatest fall in 24 hours 3.00 ins. on the 23rd with 7 rainy days.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
February 20th, 1936.

NEGRIL POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR 1935.

FOR ELEVATIONS (See Foot Note.)

Month.	Barometer Pressure.		TEMPERATURE. (FAH.)							Extremes for Month.			Dewpoint and Humidity.			Rain-fall.	Rainy Days.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range.	7 a.m.	3 p.m.				
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	%	Ins.	No.	
January	29.986	29.943	75.3	70.7	81.2	83.3	68.0	15.3	88.2	62.0	26.2	65	81	66	61	0.77	5
February	30.021	.980	75.3	70.7	80.9	83.1	68.6	14.5	87.6	63.6	24.0	66	86	70	69	4.16	6
March	0.22	.981	75.4	70.5	81.6	84.2	67.4	16.8	86.2	61.6	24.6	65	85	71	69	2.35	15
April	29.948	.903	77.9	74.3	83.6	85.3	70.2	15.1	89.5	65.6	23.9	70	88	73	70	4.83	6*
May	.948	.911	79.3	77.6	83.5	86.3	71.9	14.4	87.8	68.5	19.3	72	75	82	74	6.26	19
June	.955	.932	79.8	78.0	84.0	86.6	72.4	14.2	88.1	69.1	19.0	72	82	75	75	3.74	17
July	.959	.934	80.1	77.6	84.2	87.6	73.0	14.6	90.6	70.0	20.6	72	82	75	75	12.70	18
August	.921	.906	79.2	76.5	82.6	86.9	72.7	14.2	89.5	70.6	18.9	73	88	76	79	6.24	16
September	.886	.850	80.3	77.4	83.9	87.7	74.1	13.6	89.6	70.0	19.6	73	85	76	77	7.23	18
October	.855	.816	79.4	76.0	83.3	86.6	73.5	13.1	89.2	69.0	20.2	74	93	78	86	9.84	19
November	.933	.880	77.8	73.4	83.5	85.7	70.6	15.1	88.3	66.4	21.9	72	97	78	83	0.16	5
December	29.975	29.927	76.5	72.0	81.7	84.2	70.2	14.0	89.0	64.6	24.4	70	92	75	73	2.66	6
Means	29.951	29.914	78.0	74.6	82.8	85.6	71.1	14.5	88.6	66.8	21.8	70	86	75	74		
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	60.94	150

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 33 ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 6 ft. 6 in. Height of Anemometer above the ground 94 ft. to the 31st May, 1935, and 22 ft. above ground from 1st June, 1935.

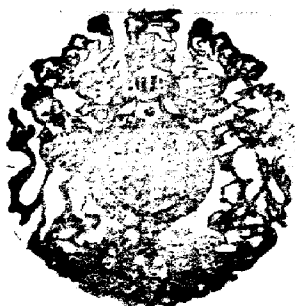
NEGRIL POINT, 1835.—MEAN RESULTS, *contd.*

Month.	Wind. Miles per diam.	Wind: from and Miles per hour.				Clouds: in tenths.						Weather Conditions, etc.
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.		Upper.			
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
January	273	NE 11.1	N 16.1	NE 10.3	2.7	0.6	0.6	0.5	3.6	0.2	0.0	Clear 10, cloudy 15, overcast 1, rain 5 days, norther 23rd to 31st. Rainfall below the average.
February	256	NE 9.8	Var. 15.5	ENE 8.9	1.9	2.7	0.6	0.6	2.5	0.5	0.1	Clear 7, cloudy 14, overcast 1, rain 6 days, northern on 3rd, 20th, 21st and 28th. Rainfall above the average.
March	217	NE 8.5	SSE 12.1	ENE 7.6	1.5	4.8	1.2	2.6	0.5	0.5	0.1	Cloudy 15, overcast 1, rain 15 days. Rainfall above the average.
April	201	ENE 6.6	SSE 11.8	ESE 6.4	0.3	3.1	0.7	3.6	6.1	1.2	0.0	Cloudy 15, overcast 9, rain 6, distant thunderstorm 1. Rainfall above the average.
May	179	ENE 5.8	Var. 9.6	E 6.0	0.4	2.8	0.9	5.0	1.7	0.0	0.0	Clear 1, cloudy 10, overcast 1, rain 19, thunderstorm 7, distant lightning 7, distant thunderstorm 8 days. Rain the average.
June	118	E 2.8	Var. 7.8	ENE 3.5	0.9	3.2	0.9	5.0	5.8	0.8	0.8	Cloudy 4, overcast 9, rain 17, thunderstorm 14, distant thunder 19 days, distant lightning 14 days. Rainfall below the average.
July	124	NE 3.8	Var. 7.9	NE 4.1	0.6	4.4	0.0	3.6	7.9	1.0	1.0	Cloudy 3, overcast 10, rain 15, thunderstorm 11, distant thunder 15, distant lightning 18 days. Rainfall above the average.
August	111	ENE 3.2	E 7.5	ENE 3.2	0.3	5.3	0.7	2.4	6.3	1.3	1.3	Cloudy 9, overcast 6, rain 16, thunderstorm 11, distant thunder 14, distant lightning 15 days. Rainfall below the average.
September	162	ENE 5.8	Var. 9.4	ENE 5.7	1.7	3.3	1.4	4.7	6.4	1.6	1.6	Cloudy 2, overcast 10, rain 18, thunderstorm 7, distant thunder 15, distant lightning 18 days. Rainfall below the average.
October	139	NE 4.3	E 7.6	NE 5.2	2.5	4.4	1.8	4.1	3.6	0.5	0.5	Cloudy 5, overcast 7, rain 19, thunderstorm 2, distant thunder 14, distant lightning 8, Rainfall below the average.
November	133	NE 3.8	Var. 7.9	NE 4.8	2.7	2.3	0.4	3.6	2.8	0.9	0.9	Clear 7, cloudy 14, overcast 4, rain 5, rainfall very deficient, norther on 30th.
December	176	NE 6.3	N 10.8	NE 5.8	1.9	0.8	0.5	2.4	1.8	1.9	1.9	Clear 8, cloudy 13, overcast 4, rain 6, thunderstorm 1, distant thunder 1, light norther throughout the month. Rainfall above average. Earthquake on 16th.
Means	*	NE 6.0	Var. 10.3	ENE 6.0	1.5	3.1	0.8	3.6	3.6	0.8	0.8	Rainfall for the year above the average with 150 rainy days.

\* The annual mean has not been deduced on account of the Anemometer having been transferred as from the 1st June, from an altitude of 94 ft. above ground to 22 ft. above ground, corresponding to 49 ft. above sea level, and readings taken as from that date, from the lower position.



No. 715.



# JAMAICA

## WEATHER REPORT

### FOR THE MONTH OF FEBRUARY, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 40° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

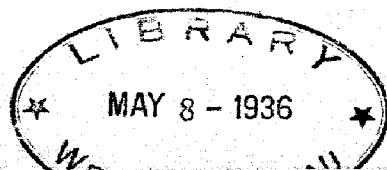
The 10th Meridian Time West of Greenwich adopted from 1st February, 1912.

#### METEOROLOGICAL RESULTS.

STATIONS.	Elevation. ft.	Bar. Pressure			Temperature.					Extreme Temperature.			
		7 a.m.	3 p.m.		7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
		ins.	ins.	°	°	°	°	°	°	°		°	
Morant Point Light House	8	29.999	29.931	75.4	81.0	82.9	72.6	10.3	85.7	22	63.4	12	22.3
Kingston	24	29.970	29.916	69.1	83.6	85.0	68.0	17.0	89.2	1	65.7	9*	23.5
Negril Point Light House	33	29.979	29.941	71.3	81.9	83.5	69.6	13.9	86.6	1	65.1	28	21.5
Castleton Gardens	496			64.1	79.3	81.7	63.1	18.6	85.0	5	59.0	27	26.0
Hope Gardens†	668	30.014	29.934	68.3	83.9	85.9	66.6	19.3	89.0	1	64.0	28	25.0
Boon Hall	970												
Hill Gardens	4,900	25.256	25.249	60.6	62.4	64.7	51.5	13.2	66.0	8	49.0	27	17.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.			3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	69	81	71	72	0.75	279	ENE	13.0	ENE	13.0	2.7	2.0	0.3	1.6	2.0	0.3	
Kingston	24	64	83	68	60	0.55	191	NE	4.5	SE	12.3	0.4	0.7	0.3	3.1	2.3	0.4	
Negril Point Light House	33	68	89	73	74	1.09	180	ENE	5.8	Var.	12.0	2.3	0.8	1.3	1.0	2.9	0.7	
Castleton Gardens	496	62	94	75	87	6.95	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	62	81	72	65	0.72	..	..	..	..	..	..	..	..	..	..	..	
Boon Hall	970						..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	56	83	59	88	2.46	..	..	..	..	..	..	..	..	..	..	..	

\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

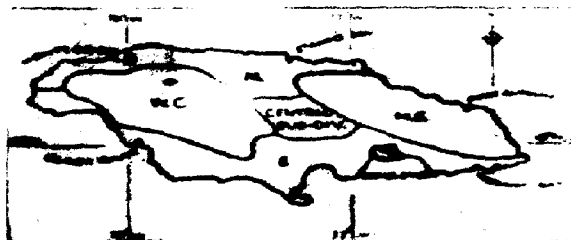


## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



February, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more f. l.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	3.67	1.07	29	18	5.07
Priestman's River	2.10	0.90	3	5	4.42
Bath	2.20	0.84	2	7	4.24
Barrett's Gap	4.91	1.17	1	14	
Millbank	8.62	3.45	1	9	
Moore Town	7.93	2.40	1	9	12.67
Port Antonio	2.54	1.00	1	7	5.80
Passley Garden	1.47	0.66	2	6	
Fellowship	2.65	1.05	2	7	9.87
Johnson River Br.	1.55	0.88	4	6	2.33
Trinity Ville	1.22	0.72	13	4	
Fruitful Vale	6.80	1.78	1	10	
Hope Bay	1.90	0.95	1	6	
Cedar Valley	2.09	0.88	13	9	2.54
Moy Hall	1.89	0.74	13	9	2.54
Paradise	5.67	1.64	24	11	
Lennox	5.92	1.75	4	7	
Greenvale	9.99	2.77	24	9	12.12
Darley	2.42	0.69	1	9	
Spring Garden	1.60	0.55	2	5	5.64
Hill Gardens	2.46	0.65	2	7	4.27
Buff Bay	1.50	0.80	2	7	7.54
Orange Vale	12.03	3.45	2	11	
Belvedere, Portland	4.52	2.62	2	5	9.61
Windsor Castle, do	0.88	0.70	2	4	5.59
Balcarres	4.66	0.98	23	7	
Mt. Holstein	6.99	3.06	1	9	8.70
Cedar Hurst	3.52	1.30	1	13	
Hardware Gap	2.87	0.95	3	12	3.99
Rose Hill	1.15	0.39	27	4	4.48
Hermitage	0.76	0.27	27	4	
Mount Airy	4.20	1.91	1	9	
Stony Hill Ind. Sch.	0.65	0.45	27	2	2.32
Boon Hall	0.94	0.34	1	7	

STATIONS.	February, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Brandon Hill	4.41	2.30	2	4	Ins.
Iter Boreale					
Enfield	5.30	1.50	22	10	
Agualta Vale	0.99	0.59	2	5	5.12
Castleton Gardens	6.95	3.35	1	7	5.31
Water Valley	1.00	0.50	2	4	4.81
Albany	1.40	0.70	2	7	4.62
Lawrence Tavern	0.93	0.40	1	4	2.48
Wey Hill	3.06	1.30	1	9	
Richmond, St. Mary	2.83	0.81	21	6	4.41
Quebec, St. Mary	1.18	0.53	2	5	4.37
Above Rocks	0.72	0.32	1	3	
Glengoffe	1.89	1.23	2	3	
Carew Castle	1.54	0.60	1	6	2.22
Hampstead, St. Mary	1.96	0.68	2	11	6.29
Windsor Castle do.	3.34	1.10	2	7	
Troja	4.66	1.50	29	6	
Pear Tree Grove	2.52	1.15	2	5	
Guy's Hill	4.16	0.95	1	10	3.96
Lucky Hill	4.68	1.50	26	6	4.95
Rio Hoe	3.34	1.30	2	10	3.88
Unity Valley	3.73	0.85	1	13	3.55
Moneague	2.46	0.81	1	7	3.97
Claremont	3.05	1.70	1	5	3.96
Averham Park	4.48	2.05	1	8	4.46
Albion	4.49	1.54	28	10	3.63
NORTHERN DIVISION (N).					
Port Maria	1.85	0.50	2	6	5.00
Wentworth					
Oracabessa	1.83	0.50	4	4	
Huddersfield	2.40	1.10	23	4	
Ocho Rios	1.50	0.55	1	5	3.48
Bogue, Ocho Rios	1				4.29
Drax Hall					4.51
Rockfield	3.57	1.21	1	6	5.22
Liberty Hill	0.86	0.45	25	3	4.46
St. Ann's Bay	0.80	0.45	26	5	4.60
Sevill					4.18
Richmond Estate	0.42	0.18	26	3	4.10
Llandoverly					4.42
Runaway Bay	0.39	0.26	3	2	2.26
Knapdale	2.92	1.13	1	10	
Alexandria	2.39	1.50	28	4	2.93
Bel-Air	0.40	0.20	1	2	
Brown's Town	2.81	1.40	1	12	4.29
Wilton	1.26	0.40	18	8	
Watt Town, St. Ann	4.15	1.85	26	7	2.90
Home Castle	1.60	0.65	1	4	3.30
Richmond Pen					2.27
Arcadia	0.79	0.40	29	5	2.61
Vale Royal	1.18	0.57	29	6	2.59
Harmony Hall	0.00			0	
Duncans	0.50	0.50	29	1	
Clark's Town	0.99	0.34	29	4	
Falmouth	0.58	0.40	29	2	1.82
The Hague	1.13	0.75	29	5	
Wales	0.00			0	

STATIONS.	February, 1936.					STATIONS.	February, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	0.93	0.42	2	4	Ins.	Mereworth	3.41	0.80	27	13	Ins.
Success	0.40	0.30	29	2	2.23	Mandeville	1.88	0.55	28	11	2.68
Rose Hall	0.11	0.11	9	1	2.36	Ulster Spring	1.10	0.87	8	1	3.43
Cinnamon Hill	0.20	0.10	26	3	2.54	Marshall's Pen					2.82
Tryall	0.25	0.10	29	3	1.53	Greenvale	3.42	2.38	28	5	
Running Gut	0.09	0.09	9	1	2.17	Albert Town	1.75	0.76	1	5	3.06
Spring Estate	0.15	0.15	2	1	2.44	Craig Head	1.85	1.00	28	2	
Friendship	1.32	0.70	29	6	2.27	Warsop	2.70	0.80	27	4	
Retirement	1.04	0.55	29	5	1.99	Troy	3.04	1.00	20	5	3.09
Rose Mount	0.33	0.14	1	4		Wallingford	3.48	2.12	28	7	3.43
Montego Bay	0.26	0.15	21	3	1.83	Balaclava	1.97	1.07	28	7	2.50
Anchovy	0.25	0.07	11	4	1.41	Wakefield	0.20	0.20	2	1	
Hopewell	0.31	0.21	21	2		Maggotty	1.25	0.93	27	3	3.45
Bamboo (Hanover)						Lacovia	1.12	1.00	28	2	
Blue Hole	0.14	0.14	21	1	3.79	Kempshot	1.01	0.43	29	6	2.71
Cascade	4.61	1.21	20	6		Mocho, St. James	1.73	0.93	1	5	
Kew					2.11	Bandon Pen	0.85	0.69	1	2	
Lucea	0.59	0.23	21	6	3.36	Catadupa	1.42	0.59	29	6	3.11
Haughton Court					2.13	Cambridge, St. James	0.72	0.35	26	5	3.23
Kendal—Hanover	1.88	1.32	26	2		New Market	1.61	0.70	26	3	4.05
Cousins Cove	1.55	0.47	21	6		Kew Park	0.78	0.29	27	4	2.84
Green River	1.87	1.25	21	4		The Bog	2.50	1.06	26	8	4.05
Green Island	4.66	3.62	21	6	2.12	Bethel Town Dist.	1.40	0.63	28	7	4.02
Haughton Hall	3.37	2.32	21	10		Burnt Ground	1.29	0.78	16	6	2.67
CENTRAL SUB-DIVISION.						Haughton Grove	1.51	0.80	28	4	2.92
Knollis	1.61	0.70	21	6		Darliston	1.19	0.56	28	7	3.62
Highgate (St. Cath.)	1.83	0.83	1	10		Bluefields	1.21	0.94	28	6	3.73
Rio Magno	3.10	0.66	29	9		Whithorn	0.49	0.36	28	2	3.03
Riversdale	3.11	0.70	2	7		Water Works Pen	0.57	0.46	28	3	3.20
Headworks, R.C.C.					1.64	Askenish	2.10	1.40	26	4	3.06
Bog Walk	1.52	0.82	21	5		Grange Hill	1.45	0.55	27	6	2.75
Linstead	1.30	0.72	21	5	2.17	King's Vale	1.50	0.78	21	6	2.62
Ewarton	0.25	0.25	1	1		SOUTHERN DIVISION (S).					
Cave Valley	0.30	0.30	29	1	2.14	Morant Point L. H.	0.75	0.23	1	10	2.73
Guanaboa Vale	0.74	0.38	13	4		Golden Grove					
Point Hill	1.69	0.47	2	8	3.37	Pleasant Hill	1.14	0.28	2	8	2.53
Brown's Hall	0.94	0.56	13	3	2.18	East Prospect	1.13	0.49	2	9	2.52
Bellas Gate	0.76	0.50	29	4	1.67	Morant Bay	0.50	0.23	4	6	1.95
Rock River	1.28	0.72	29	3		Aeolus Valley	1.32	0.58	13	9	
Crofts Hill	2.12	0.55	2	8	1.47	Yallahs	1.10	1.10	14	1	
Far Enough	1.76	0.64	28	7		Easington					1.36
Suttons	1.94	0.89	29	6		Mavis Bank	1.06	0.36	13	6	
Colonel's Ridge	2.32	1.32	28	6		Bull Bay	0.26	0.16	13	2	0.42
Chapelton	1.33	0.53	28	5	1.58	Dallas Castle					
Crooked River	1.45	0.90	28	7		Gordon Town	1.01	0.72	2	4	1.77
James Hill	2.83	1.75	28	11		Irish Town	2.06	1.00	2	8	1.65
Frankfield	2.00	1.19	28	6	2.29	Hope Gardens	0.72	0.45	2	4	1.26
WEST-CENTRAL DIVISION (W.C.)						Waireka					
Mocho, Clarendon	3.37	2.28	28	6	1.66	Ivor	1.14	0.81	27	7	
Clarendon Park	1.23	0.31	2	9		Barbican	0.38	0.20	2	3	
Porus	1.57	0.50	28	4		Plumb Point L. H.	0.40	0.40	13	1	1.65
Borobridge	2.80	1.90	28	6		King's House Gar.	0.44	0.19	27	3	1.22
Spaldings	2.28	0.92	28	8	2.83	Cavaliers	0.55	0.39	2	4	
Williamsfield	2.14	0.83	28	9		Upper Kingston	0.53	0.27	2	3	0.89
Brokenhurst	3.99	1.05	27	9	2.47	Parade Garden	0.64	0.40	13	2	
Shooters Hill	1.73	0.73	28	4	2.18	Kingston P.W.O.	0.55	0.35	13	3	0.61
Wait-a-bit	3.59	0.85	27	8		Constant Spring	0.54	0.33	27	4	
Christiana	1.88	1.13	28	7	2.62	Halfway Tree	0.63	0.39	2	3	0.85
Clifton Hill	3.28	0.90	28	5	2.68	Clifton Pen	0.92	0.52	13	2	0.64
Kendal, Manchester	1.80	0.88	28	4	2.49	Seaward Pen					
						Red Hills	0.67	0.52	27	3	

STATIONS.	February, 1936.					STATIONS.	February, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	In.			Ins.
Quarantine Station	0.54	0.30	22	4	0.44	Alligator Pond	0.36	0.25	13	3	1.33
Hematine	0.39	0.24	2	2	1.43	Fairfield	2.63	1.17	28	16	2.45
Spanish Town	0.36	0.18	2	3	1.33	Myersville	0.82	0.43	28	5	...
The Stewartry	0.66	0.32	1	4	...	Southfield, St. Eliz.	0.55	0.18	2	4	2.59
Cross Pen	...	...	...	...	1.72	Munro	...	...	...	...	...
Hog Hole, St. Cath.	...	...	...	...	1.77	Windsor, St. Eliz.	0.92	0.43	28	7	...
Old Harbour	2.28	0.91	29	8	1.77	Torrington	0.43	0.43	28	1	2.45
May Pen	0.83	0.39	13	6	...	Santa Cruz	1.34	1.07	28	4	2.47
Glen Muir	0.50	0.50	29	1	...	Hounslow	0.80	0.30	3	3	...
Cottage	2.78	1.62	27	8	...	Pedro Plains	0.79	0.49	13	2	1.38
Belle Plain	2.10	0.98	28	7	...	Mountainside	1.36	0.64	28	3	2.27
Milk River	3.21	1.45	27	6	1.20	Fort Charles	2.01	1.20	21	4	...
Retrieve	1.56	0.50	27	4	1.76	Black River	0.46	0.32	2	3	1.70
Hog Hole, S. Man.	3.59	1.70	27	5	3.02	Font Hill	1.85	0.85	28	4	1.84
Stone's Hope	3.24	1.18	27	10	2.15	Mount Edgecombe	0.79	0.25	26	6	2.47
Newport, Man.	2.62	0.88	27	12	2.55	Sweet River	0.30	0.23	28	2	2.62
						Sav.-la-Mar	0.58	0.31	28	4	2.08
						Little London	4.51	2.21	28	6	3.12
						Retreat	1.23	0.60	21	4	2.71
						Negril Point L. H.	1.09	0.95	21	2	1.86

## NOTES.

## SHOCKS OF EARTHQUAKE IN FEBRUARY, 1936

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.				
DIVISIONAL AND ISLAND RAINFALL.	February.			
	Rainfall.		Rainy Days	
	1936.	Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern	3.01	5.48	7	10
Northern	1.26	2.48	5	6
West-Central	1.78	2.84	6	7
Southern	1.23	1.72	5	6
The Island means	1.82	3.13	6	7

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
12th	8.30 p.m.	II.	Albany; Dry Harbour Rosemount Frankfield James Hill Coleyville Ulster Spring Warsop Balaclava Catadupa Springfield Malvern Pedro Plains Black River Negril

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—FEBRUARY.

The mean rainfall for the Island was much below the average in all Divisions.

Most of this restricted rainfall appears to have occurred during the first few days and again at the end of the month, particularly on the 1st, 2nd and from the 27th to the 29th.

The greatest total fall for the month was 12.03 inches at Orange Vale in the North-Eastern Division and the heaviest fall in 24 hours was 3.62 inches at Green Island in the Northern Division on the 21st.

The mean number of rainy days was 6, being 1 less than the average for the month. The greatest number was 18 at Manchioneal in the North-Eastern Division.

No rain fell at Harmony Hall and Wales in the Northern Division.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 4.64 inches was highest and Kingston with 0.53 inches was lowest. Hanover was above the average, but all the others were below:—

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	0.53	0.61	St. James ..	0.65	2.20
St. Andrew ..	1.28	2.51	Hanover ..	2.27	1.93
St. Thomas ..	1.65	2.70	Westmoreland ..	1.29	2.90
Portland ..	4.64	7.77	St. Elizabeth ..	1.30	3.31
St. Mary ..	2.77	4.93	Manchester ..	2.44	3.09
St. Ann ..	2.30	3.45	Clarendon ..	2.00	2.26
Trelawny ..	1.35	2.76	St. Catherine ..	1.71	2.57

## CITY OF KINGSTON.

The total rainfall for the month of February was 0.55 of an inch, as compared with the 60-year normal of 0.61 of an inch. There were four rainy days, which correspond with the 49-year average. The greatest fall in 24 hours was 0.35 of an inch on the 13th. The upper boundary of Kingston gauged 0.53 of an inch, with three rainy days.

Distant rain was observed to the northward on three days, to the north-eastward on two days and the north-westward on one day.

The mean barometric pressure was 29.957 inches; the normal being 29.984 inches, shewing 0.024 of an inch below the 33-year normal. The highest barometer reading was 30.055 inches, on the 23rd at 3 p.m., and the lowest 29.869 inches on the 4th at 7 a.m. The readings are corrected for diurnal variation.

The mean monthly temperature based upon four observations per day, was 75.9°; the 33-year normal being 75.7°, or 0.2° above the normal. The highest maximum temperature was 89.2° on the 1st, and the lowest minimum was 65.7° on the 9th and 27th. On the other hand the lowest maximum was 82.9° on the 26th, and the highest minimum was 72.8° on the 4th and 5th. The greatest range of temperature was 21.5° on the 1st and 8th, and the least range was 12.9° on the 2nd and 5th. The maximum was below 90° throughout, and the minimum was 70° and above on five days.

The mean daily miles of wind registered was 191; the normal for 25 years being 174, representing 10% above the normal. The greatest number of miles in 24 hours was 407 on the 4th, and the least number was 104 on the 2nd. There was a south-easterly rainsquall on the 13th in the evening. Moderate norther (NE) on the 23rd and the 24th of short duration. South-easterly wind blew early on 3 occasions, and continued after 7 p.m. on 13 occasions, and throughout the night on four.

The mean relative humidity was 75%, and the 33-year normal 78%. The lowest 7 a.m. was 66% on the 4th, and the lowest 3 p.m. 42% on the 23rd. At 5 p.m. on the same day 23rd the relative humidity indicated 40%, there was a moderate norther (NE) at the same time.

The sky was overcast in the early morning three times, and in the afternoon on fourteen occasions.

The total amount of evaporation for February was 5.43 inches; the 10-year normal shews 4.90 ins. The mean daily number of sunshine hours was 5.4.

## MORANT POINT LIGHT HOUSE.

A table giving the Meteorological Results for the Station at Morant Point Light House (situated at the extreme east of the Island), for the year 1935, is appended. The extreme maximum temperature was 89.2° on the 31st of July, and the extreme minimum was 63.1° on the 29th of January. The greatest monthly rainfall was 22.12 inches in October, owing to the proximity of a hurricane on the 20th, when 8.55 inches fell in 24 hours. There were 22 rainy days for October. The month of April had the least with only 0.34 of an inch. The year's rainfall total was 63.95 inches, or equivalent to about 6% below the 60-year normal of 66.67 inches. During February, August, September and October the rainfall was in excess of the monthly averages, but in the remainder of the months (8), there was a general deficiency. For the twelve months there were 167 rainy days, giving an average of 0.38 of an inch per rainy day.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of February was 1.20 inch. Greatest fall in 24 hours 0.30 inch on the 4th with 9 rainy days.

Kingston, March 25th, 1936.

J. F. BRENNAN,  
Government Meteorologist.

## CORRIGENDA.

Weather Report No. 712, Rainfall 1934, page 6, Second Table should shew Total, year 1934, instead of 1931.

Page 6, Fourth Table, average for Portland for 10 years, should be 136.13 instead of 136.83.

Weather Report No. 713 page 6, City of Kingston—Meteorological Results for year 1935, 38th line from top, for 79 degrees read 79 miles.

Weather Report No. 701, page 3, Table 11, Portland—September for 18.90 read 8.90.

MORANT POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR 1935.

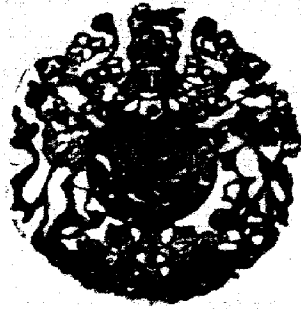
FOR ELEVATIONS, &c. See Foot Note.

Month.	Barometer Pressure.		TEMPERATURE. (FAH.)							Extremes for Month.			Dewpoint and Relative Humidity.			Rain-fall.	Rainy Days.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range.	7 a.m.		3 p.m.			
												°	%	°	%	°	%
January	29.992	29.961	76.4	75.3	79.1	80.9	72.2	8.7	83.4	63.1	20.3	68	79	69	73	3.77	12
February	30.031	.996	77.7	76.7	79.7	81.9	74.4	7.5	84.1	66.6	17.5	70	80	71	75	3.91	11
March	.038	30.005	78.5	78.0	80.9	82.4	74.7	7.7	84.7	68.2	16.5	77	76	71	73	1.25	15
April	29.965	29.926	77.8	78.3	83.2	85.2	74.4	10.8	86.8	64.0	22.8	71	80	73	71	0.34	4
May	.967	.938	81.3	80.8	84.0	86.1	76.9	9.2	87.6	68.0	19.6	72	72	76	67	2.65	12
June	.976	.949	82.6	82.0	85.2	87.1	78.3	8.8	88.5	70.6	17.9	75	79	75	73	2.02	14
July	.978	.955	82.6	82.0	84.5	86.7	79.1	7.6	89.2	74.6	14.6	76	81	75	76	2.12	15
August	.937	.913	82.0	81.4	84.7	87.2	76.9	10.3	89.0	71.9	17.1	75	82	77	76	7.89	20
September	.913	.878	81.8	81.6	83.8	86.1	77.6	8.5	88.8	71.1	17.7	76	83	76	78	9.72	22
October	.871	.810	80.6	80.5	82.8	85.0	76.1	8.9	88.6	72.6	16.0	75	83	75	78	22.12	22
November	.941	.906	79.0	79.1	81.0	82.7	75.4	7.3	84.3	67.8	16.5	72	77	73	76	7.21	10
December	29.986	29.942	78.3	79.9	80.3	81.9	75.1	6.8	84.8	69.6	15.2	71	79	71	74	0.95	10
Means	29.966	29.932	79.9	79.5	82.4	84.4	75.9	8.5	86.6	69.0	17.6	73	80	73	74		
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	63.95	167

Barometer pressure reduced to Standard of Kew, 32°, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 8 ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 3 ft. Height of Anemometer above the ground 18 ft.

MORANT POINT, 1885.—*Mean Results, contd.*

Month.	Wind. Miles per diem.	Wind: from and Miles per hour.		Clouds: in Tenths.						Weather Conditions, etc.
		7 a.m.	3 p.m.	Lower.		Middle.		Upper.		
				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	269	NE 11	NE 10	3.4	1.6	1.7	2.8	0.3	0.3	Overcast 7 days, Clear blue sky 1 day.
February	264	NE 11	NE 9	1.6	1.0	2.5	3.0	0.1	0.4	Overcast 2 days, Clear blue sky 1 day, NE gale 21st.
March	328	NE 15	ENE 13	2.3	1.8	2.3	3.1	0.7	0.4	Overcast 3 days, NE gale 1st., E gale 12th.
April	186	NE 8	NE 7	1.0	0.5	2.7	2.1	1.8	2.0	Fine and Dry.
May	253	NNE 10	ENE 9	1.7	0.5	3.0	3.8	0.8	1.5	Overcast 2 days, distant thunder 5th and 26th. distant lightning 27th, 28th, 29th.
June	278	ENE 12	E 10	1.3	0.9	2.6	2.3	2.6	2.7	Overcast 4 days, thunderstorm on 10th.
July	312	ENE 14	ENE 12	1.3	1.0	2.2	2.7	2.8	2.3	Overcast 6 days, Clear blue sky 1 day, thunderstorm and NE gale 18 th.
August	217	ENE 8	ENE 8	2.0	1.8	2.0	1.8	2.0	2.2	Overcast 7 days, thunderstorm 23th and 27th.
September	286	NE 13	ENE 10	2.6	2.4	2.3	2.1	2.6	3.1	Overcast 12 days, thunderstorm 7th, 10th, 11th, 20th and 23rd, E gale 24th to 27th
October	290	NE 13	ENE 10	3.2	2.5	2.0	2.3	1.9	2.0	Overcast 12 days, distant thunderstorm 25th.
November	306	NE 14	NNE 11	2.6	2.1	2.1	2.8	1.4	1.0	Overcast 8 days, NE gale 26th, Norther from midnight 31st.
December	365	NE 18	NE 17	2.3	2.0	2.2	2.9	0.8	0.6	Overcast 5 days, Clear blue sky 2 days, Norther on 1st., NE gale 3rd to 7th.
Means	279	NE 12	NE by E 10	2.1	1.5	2.3	2.6	1.5	1.2	Rainy days 167 days, Overcast 68, Clear blue sky 4, thunderstorm 9, Norther 2, NE gale 7, E gale 5 days.



## JAMAICA

## WEATHER REPORT.

FOR THE MONTH OF

MARCH, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.962	29.924	77.6	82.1	84.2	74.1	10.1	86.5	20*	64.0	1
Kingston	24	29.935	29.879	71.7	83.8	85.6	69.8	15.8	90.6	22	66.1	1
Negril Point Light House	33	29.944	29.903	72.8	82.3	84.0	70.1	13.9	87.4	1	65.6	3
Castleton Gardens	496	..	..	66.5	80.6	83.9	65.5	18.4	87.0	19	62.0	17
Hope Gardens†	668	29.985	29.894	70.3	83.9	86.8	68.3	18.5	91.0	31	65.0	28
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	25.243	25.230	61.5	63.3	66.0	54.0	12.0	70.0	27	51.0	4

STATIONS.	Elevation.		Dewpoint and Rel. Humidity.			Rainfall.	Win   per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
			7 a.m.		3 p.m.			7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point																	
Light House	8	71	72	81	72	1.12	216	ENE	9.0	ENE	8.0	3.1	1.9	0.5	1.4	2.7	0.5
Kingston	24	66	82	70	64	0.20	186	NE	5.2	SE	13.8	1.1	1.4	0.4	2.5	3.3	0.2
Negril Point																	
Light House	33	70	89	73	74	2.42	157	E	4.3	Var.	11.3	2.4	0.1	1.4	2.8	3.0	0.5
Castleton																	
Gardens	496	64	95	75	81	2.20	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	65	84	72	66	0.61	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	88	61	91	3.30	..	..	..	..	..	..	..	..	..	..	..

\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

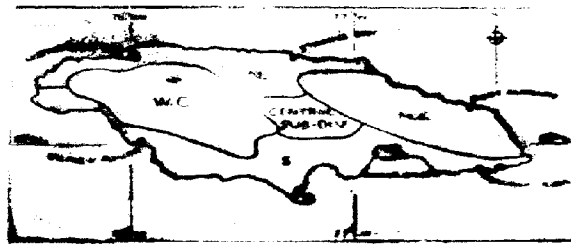


## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negrit; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



March, 1936.

STATIONS.	March, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	Ins. 5.15	Ins. 1.07	12	15	Ins. 3.08
Priestman's River	5.40	1.10	23	12	4.28
Bath	1.70	0.45	12	7	4.29
Barrett's Gap	3.30	1.40	12	11	
Millbank	6.64	1.58	12	12	
Moore Town	9.41	2.00	12	14	9.97
Port Antonio	6.94	2.40	12	12	4.74
Passley Garden	5.13	1.91	12	9	
Fellowship	4.74	1.50	12	9	7.25
Johnson River Br.	0.26	0.14	1	2	2.76
Trinity Ville	0.81	0.23	1	5	
Fruitful Vale	10.15	2.10	23	13	
Hope Bay	6.09	1.63	12	10	
Cedar Valley	1.03	0.30	11	7	3.00
Moy Hall					3.00
Paradise	10.79	3.54	12	16	
Lennox	5.02	1.27	12	10	
Greenvale	6.62	2.61	12	8	10.12
Darley	10.13	4.47	12	11	
Spring Garden	3.87	1.00	12	10	5.81
Hill Gardens	3.30	1.00	12	8	4.55
Buff Bay	3.80	1.10	12	11	5.35
Orange Vale	8.60	2.25	12	11	
Belvedere, Portland	3.92	1.20	12	6	6.53
Windsor Castle, do	4.86	1.00	12	11	5.49
Balcarras	6.09	2.21	12	11	
Mt. Holstein	2.95	1.67	12	6	7.00
Cedar Hurst	2.96	1.35	12	10	
Hardware Gap	3.33	1.22	13	9	4.07
Rose Hill	0.99	0.45	1	6	4.53
Hermitage	2.57	1.09	1	9	
Mount Airy	1.41	0.81	12	4	
Stony Hill Ind. Sch	2.83	1.24	29	6	2.97
Boon Hall	2.00	0.53	1	8	

March, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Brandon Hill	0.52	Ins.	Ins.	21	3
Enfield	7.47	3.80	12	9	
Agualta Vale	2.36	0.66	19	10	4.43
Castleton Gardens	2.20	1.10	24	4	4.73
Water Valley	1.78	0.75	19	7	4.29
Albany	3.14	1.10	19	11	3.87
Lawrence Tavern	1.12	0.50	24	4	2.75
Wey Hill	1.83	0.72	24	5	
Richmond, St. Mary	3.04	1.00	19	9	3.71
Quebec, St. Mary	9.02	5.30	19	5	2.91
Above Rocks	1.67	0.49	11	8	
Glengoffe	2.10	1.22	23	3	
Carew Castle	1.12	0.29	10	8	3.02
Hampstead, St. Mary	9.00	4.30	19	10	4.72
Windsor Castle do.	6.59	1.70	23	12	
Troja	1.70	0.78	25	6	
Pear Tree Grove	3.03	1.27	12	5	
Guy's Hill	4.40	1.51	19	11	3.14
Lucky Hill	5.45	1.94	19	10	3.14
Rio Hoe	3.25	1.62	19	10	3.62
Unity Valley	3.59	1.63	19	10	3.64
Moneague	3.73	2.28	19	9	3.40
Claremont	1.27	0.60	11	3	3.17
Averham Park	2.40	0.60	11	9	3.72
Albion	2.90	1.32	19	9	3.50
NORTHERN DIVISION (N).					
Port Maria	6.00	2.50	11	9	3.06
Wentworth	6.24	2.80	11	6	
Oracabessa	7.84	3.60	19	5	
Huddersfield	6.29	5.05	19	2	
Ocho Rios	8.50	6.50	19	5	2.50
Rockfield	1.84	0.95	11	9	3.41
Liberty Hill	2.70	1.00	13	4	3.67
St. Ann's Bay	4.15	1.35	19	9	2.94
Richmond Estate	3.13	0.90	11	6	2.71
Runaway Bay	1.09	0.86	8	2	1.45
Knapdale	2.27	1.15	11	7	
Alexandria	1.16	0.55	19	4	1.91
Bel-Air	2.85	1.00	11	7	
Brown's Town	1.80	0.93	11	9	3.06
Wilton	1.94	0.82	11	8	
Watt Town, St. Ann					2.28
Home Castle	0.95	0.70	11	3	2.64
Arcadia	0.73	0.30	11	4	2.05
Vale Royal	0.69	0.44	11	5	2.32
Harmony Hall	0.98	0.48	9	3	2.04
Duncans	0.63	0.55	11	2	
Clark's Town	1.18	0.92	11	5	
Falmouth	1.44	0.72	11	3	1.71
The Hague	1.25	0.70	11	3	
Wales	1.05	0.80	11	3	

March, 1936.						March, 1936.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
<b>NORTHERN DIVISION, contd.</b>						<b>WEST-CENTRAL DIVISION, contd.</b>					
Adelphi	2.34	1.98	11	3	Ins.	Mereworth	4.91	2.80	21	14	Ins.
Success	3.39	2.00	20	4	1.74	Mandeville	2.30	0.61	1	12	4.18
Rose Hall	3.03	2.10	20	5	1.64	Ulster Spring	3.12	1.05	11	9	4.09
Cinnamon Hill	2.74	1.43	20	5	1.69	Greenvale	5.16	1.73	12	10	
Tryall	2.70	1.90	20	2	1.60	Albert Town	4.04	1.72	12	7	4.05
Running Gut	3.01	2.12	20	5	1.55	Craig Head	3.32	1.07	13	5	
Spring Estate	2.55	2.00	20	2	1.52	Warsop	1.88	0.70	21	4	
Friendship	1.07	0.92	11	3	2.43	Troy	1.85	0.75	19	4	5.88
Retirement	1.26	0.94	11	4	3.02	Wallingford	3.06	0.79	5	10	4.70
Rose Mount	0.69	0.51	11	3		Balaclava	3.33	0.74	29	10	4.47
Montego Bay	1.19	0.67	11	4	1.65	Wakefield	1.25	0.75	11	3	
Anchovy	2.33	1.24	20	3	2.13	Maggotty					5.93
Hopewell	4.21	3.06	20	3		Lacovia	1.60	1.18	11	4	
Blue Hole	0.53	0.50	11	2	3.01	Kempshot	1.31	0.50	14	8	3.11
Cascade	5.13	1.27	13	9		Mocho, St. James	4.78	1.30	26	6	
Lucea	1.64	0.64	11	7	2.37	Bandon Pen					
Haughton Court					2.22	Catadupa	4.78	1.58	22	11	4.11
Kendal—Hanover	3.82	1.16	11	10		Cambridge, St. James	3.07	1.53	26	8	4.77
Cousins Cove	1.04	0.45	11	10		New Market	1.11	0.96	11	3	5.53
Green River	3.21	1.11	24	7		Kew Park	2.94	1.17	14	7	4.42
Green Island	0.99	0.60	24	4	3.29	The Bog	0.54	0.25	13	6	6.34
Haughton Hall	2.71	1.58	24	8		Bethel Town Dist.	2.61	0.85	14	9	4.69
<b>CENTRAL SUB-DIVISION.</b>						<b>Burnt Ground</b>					
Knollis	3.15	1.40	23	9		Haughton Grove	2.08	1.14	26	4	4.53
Highgate (St. Cath.)	3.81	1.59	11	13		Darliston	4.95	1.64	1	9	6.98
Rio Magno	1.87	0.76	11	9		Bluefields	1.46	0.38	26	8	6.13
Riversdale	1.93	0.60	11	8		Whithorn	2.40	0.48	24	9	4.83
Headworks, R.C.C.	2.20	1.04	1	5	2.90	Water Works Pen	2.33	0.50	23	9	5.22
Bog Walk	3.72	0.60	23	10		Askenish					4.08
Linstead	2.04	1.05	23	8	3.08	Grange Hill	1.78	1.00	11	5	5.22
Ewarton	1.57	0.92	1	3		King's Vale					4.24
Cave Valley	1.15	0.93	20	2	2.70	<b>SOUTHERN DIVISION (S).</b>					
Guanaboa Vale						Morant Point L. H.	1.12	0.57	1	8	2.26
Point Hill	5.46	1.46	1	11	4.66	Golden Grove					
Brown's Hall	5.63	2.60	11	7	4.35	Pleasant Hill	2.00	0.73	20	10	3.39
Bellas Gate	2.31	1.50	1	3	2.50	East Prospect	1.89	0.60	11	9	2.96
Rock River	1.10	0.72	1	3		Morant Bay	0.85	0.49	24	7	1.96
Crofts Hill	3.40	0.54	23	4	2.80	Aeolus Valley	0.81	0.40	24	6	
Far Enough	2.20	1.10	1	10		Yallahs	0.20	0.20	13	1	
Suttons	3.39	1.37	1	10		Easington	0.38	0.27	1	3	1.39
Colonel's Ridge	3.97	0.94	11	9		Mavis Bank	0.87	2.38	11	4	
Chapelton	2.70	0.88	21	8	2.60	Bull Bay	0.08	0.08	12	1	0.41
Crooked River	3.46	0.97	1	9		Dallas Castle					
James Hill	3.82	0.93	20	9		Gordon Town	0.54	0.23	12	3	1.70
Frankfield	4.59	2.34	1	9	2.14	Irish Town	2.30	0.94	1	7	1.98
<b>WEST-CENTRAL DIVISION (W.C.)</b>						<b>Hope Gardens</b>					
Mocho, Clarendon	4.28	1.52	1	10	3.22	Waireka	0.61	0.33	22	8	2.01
Clarendon Park	2.10	0.80	1	6		Ivor	1.69	0.46	22	8	
Porus	4.47	1.31	19	6		Barbican	1.45	0.85	25	7	
Borobridge	1.98	0.58	2	7		Plumb Point L. H.	0.35	0.35	13	1	0.83
Spaldings	1.65	1.30	21	10	2.66	King's House Gar.	0.58	0.34	1	4	1.54
Williamsfield	4.04	1.44	1	13		Cavaliers	0.16	0.08	23	3	
Brokenhurst	3.20	1.51	1	8	3.05	Upper Kingston	0.19	0.12	9	5	0.76
Shooters Hill	3.34	1.90	2	6	3.02	Parade Garden	0.18	0.18	10	1	
Wait-a-bit	4.85	1.30	20	10		Kingston P.W.O.	0.20	0.16	12	3	0.94
Christiana	2.22	0.73	21	10	1.23	Constant Spring	3.37	2.29	1	7	
Clifton Hill	3.35	1.40	11	5	2.52	Halfway Tree	0.57	0.39	25	5	1.16
Kandal, Manchester	3.10	0.93	2	9	3.28	Clifton Pen	0.50	0.26	25	3	1.06
						Seaward Pen	0.18	0.18	10	1	
						Red Hills	2.89	1.22	1	8	

March, 1936.						March, 1936.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.						SOUTHERN DIVISION, contd.					
Quarantine Station	0.49	0.15	19	7	0.55	Alligator Pond	0.78	0.53	20	3	2.43
Hematine	2.63	1.34	1	6	1.52	Fairfield	5.16	1.69	21	8	1.61
Spanish Town	2.66	1.37	1	5	1.98	Myersville	2.41	1.36	21	6	3.43
The Stewartry	1.43	0.82	1	4		Southfield, St. Eliz.	1.18	0.57	25	3	2.11
Hog Hole, St. Cath.	1.90	0.80	1	5	2.26	Windsor, St. Eliz.	1.81	0.53	1	10	
Old Harbour	2.89	1.60	1	5	2.40	Torrington	2.33	0.78	13	4	3.13
May Pen	2.85	0.82	20	9	2.53	Santa Cruz	3.86	1.23	12	9	4.61
Glen Muir	1.50	0.80	21	2		Hounslow	3.08	1.00	20	5	
Cottage	1.85	0.90	1	5		Pedro Plains	0.79	0.37	25	3	1.63
Belle Plain	2.36	1.00	20	6		Mountainside	0.76	0.36	9	3	2.32
Milk River	0.91	0.51	1	5	1.55	Fort Charles	1.55	0.75	25	3	
Retrieve					2.10	Black River	0.93	0.40	25	5	2.60
Hog Hole, S. Man.	1.65	0.70	19	4	2.28	Font Hill	3.05	2.80	13	3	3.45
Stone's Hope	2.55	0.67	21	9	2.61	Mount Edgecombe	1.36	0.88	13	6	4.10
Newport, Man.	3.57	0.74	9	12	2.96	Sweet River	2.04	0.73	26	8	3.65
						Sav.-la-Mar	2.28	0.64	11	8	2.81
						Little London	2.36	1.56	11	6	3.11
						Retreat	1.47	0.67	13	4	3.63
						Negril Point L. H.	2.42	1.00	11	7	2.77

## NOTES.

## SHOCKS OF EARTHQUAKE IN MARCH, 1936

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	March.				5th	10.00a.m.	I	Clifton Hill
	Rainfall.		Rainy Days		23	7.40p.m.	I	Mandeville
	1936.	Ave.	1936.	Ave.	"	"	"	Balaclava
					" <td>"<td>"<th>Fairfield</th></td></td>	" <td>"<th>Fairfield</th></td>	" <th>Fairfield</th>	Fairfield
					" <td>"<td>"<th>Windsor</th></td></td>	" <td>"<th>Windsor</th></td>	" <th>Windsor</th>	Windsor
					" <td>9.10p.m.<td>"<th>Malvern</th></td></td>	9.10p.m. <td>"<th>Malvern</th></td>	" <th>Malvern</th>	Malvern
					" <td>7.40<td>"<th>Malvern</th></td></td>	7.40 <td>"<th>Malvern</th></td>	" <th>Malvern</th>	Malvern
								Harkers Hall.
	Ins.	Ins.						
North-Eastern ..	3.74	4.61	9	9				
Northern ..	2.53	2.37	6	6				
West-Central ..	2.70	4.25	8	9				
Southern ..	1.64	2.19	5	6				
The Island means	2.65	3.35	7	8				

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—MARCH.

The mean rainfall for the month was below the average in all Divisions except the Northern, which showed a slight excess.

The heaviest precipitation appears to have occurred on the 1st, 11th and 12th, and again on the 19th when very heavy rains fell in Western St. Mary and Eastern St. Ann, causing considerable damage to roads in that area.

The greatest total fall for the month was 10.79 inches at Paradise in the North-eastern Division, and the heaviest fall in 24 hours was 6.50 inches at Ocho Rios in the Northern Division on the 19th.

The mean number of rainy days was 7, or 1 less than the average. The greatest number was 16 at Paradise in the North-eastern Division.

The mean rainfall to each parish is given below, compared with the 10-year average. Portland, with 6.16 inches, was highest, and Kingston, with 0.23 inch was lowest.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	0.23	0.64	St. James ..	2.51	2.52
St. Andrew ..	1.62	1.82	Hanover ..	2.54	2.78
St. Thomas ..	1.20	1.93	Westmoreland ..	2.21	3.34
Portland ..	6.16	6.36	St. Elizabeth ..	2.06	3.04
St. Mary ..	5.06	4.22	Manchester ..	3.32	2.49
St. Ann ..	2.67	3.17	Clarendon ..	2.71	1.88
Trelawny ..	1.78	3.12	St. Catherine ..	2.64	2.45

The total rainfall for the first 3 months of the year is given below, compared with the 60-year average and shows a deficiency of 1.69 inches.

	1936.	60-year Average.
	Inches.	Inches.
January ..	4.32	4.00
February ..	1.82	3.13
March ..	2.65	3.35
Total ..	8.79	10.48

## CITY OF KINGSTON.

The total rainfall for the month of March was only 0.20 of an inch, as compared with the 60-year normal of 0.94 of an inch, being nearly one-fifth of the normal. There were three rainy days. The heaviest in 24 hours was 0.16 inch on the 12th. The upper boundary of Kingston gauged 0.19 of an inch, with five rainy days.

The number of days upon which distant rain was observed is as follows:—to the northward on 5, to north-eastward 5, and to north-westward 4. Distant lightning to northward on the 19th.

The mean barometric pressure was 29.916 inches, the 33-year normal being 29.965 inches, shewing 0.049 inch below the normal. The highest reading was 29.978 inches on the 24th at 3 p.m., and the lowest was 29.820 inches on the 17th at 7 a.m. corrected for diurnal variation.

The mean monthly temperature was 77.2°, based upon four observations per day, the 33-year average being 76.5°, shewing 0.7° above the average. The extreme maximum was 90.6° on the 22nd, and the extreme minimum was 66.1° on the 1st, shewing an extreme monthly range of 24.5°. On the other hand the lowest maximum was 83.7° on the 10th, and the highest minimum was 74.4° on the 12th. The greatest daily range was 19.8° on the 22nd, and the least range was 9.4° on the 10th. The maximum was above 90° once, and the minimum above 70° on 15 days.

The mean daily miles of wind registered was 186, as compared with the 25 year normal of 188, or about one per cent. below the normal. The greatest number of miles of wind recorded in 24 hours was 346 on the 10th, and the least was 132 on the 18th. South-easterly wind was recorded early on one day, but continued until after 7 p.m. on 22 days—and prevailed throughout the night twice.

The mean relative humidity was 76%, the 33-year normal being 77%. The lowest 7 a.m. was 71% on the 4th and 22nd, and the lowest 3 p.m. was 50% on the 3rd.

The sky was overcast on the early morning on eight, and in the afternoon on sixteen occasions.

The total evaporation for the month of March was 6.45 inches, the 10-year normal being 6.64 inches.

The mean daily number of sunshine hours was 4.5.

There was a widespread haze noticed between the 28th and 31st.

## EVAPORATION TABLES.

Kingston.—Attached to this Weather Report No. 716 is a Table (A) giving the results of the daily evaporation gauged during each month of the year 1935, for the City of Kingston. The Evaporimeter continued to be maintained with the same exposure as that of former years, since 1924 (vide Weather Report No. 577).

From an inspection of this 1935 Table it will be found that the maximum evaporation occurred in the month of July (similar to that for 1934) when a total of 7.87 inches was gauged, representing for this month a daily mean of 0.254 inch. The minimum appears in the month of October, when a total of only 2.98 inches was gauged, with a daily mean of 0.096 inch, or, equivalent to a little over one-third that of July.

The total evaporation for the year 1935 was 66.95 inches, and the 10-year normal shews 71.71 inches or 4.76 inches below the normal. The general monthly mean for the twelve months gives 5.58 inches, with an average daily mean of 0.183 inch or 0.008 inch less than year 1934. It may be noted that a rain gauge which was installed nearly alongside the Evaporimeter registered for the year 1935, 32.23 inches.

The greatest evaporation for 24 hours was 0.41 inch on 28th July. The days which gauged the greatest amount of evaporation are indicated by bolder-faced type in the respective column of the Table.

At the foot of the Table are shewn the 10-year monthly normals.

Another Table (B), shewing the daily evaporation at Negril Point Light House for 1935, which was supplied by Mr. J. S. Brownhill, is appended. From an inspection of this Table it will be observed that the monthly maximum of 8.27 ins. occurred in the month of April with a daily mean of 0.276 of an inch. The minimum of 5.60 ins. occurred in October, giving a daily mean of 0.181 of an inch, or about two-thirds that of April.

The total evaporation for the year 1935 was 81.94 ins., shewing 14.99 ins. above that of the total gauged for Kingston. The general monthly mean for the year was 6.83 ins. and the daily mean of 0.224 inch. It may be stated that the rain-gauge which is installed in the vicinity of the Evaporimeter gauged 60.94 ins. or nearly three-quarters that of the evaporation.

By referring to the monthly columns it will be seen that a maximum daily evaporation is indicated also, in bolder-faced type. The greatest evaporation in 24 hours for the year 1935 amounted to 0.34 inch on the 7th, 21st and 22nd of April.

#### CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for March, 1936, was 0.65 of an inch. Greatest fall in 24 hours 0.60 inch on the 10th with 2 rainy days.

J. F. BRENNAN,  
Government Meteorologist.

Kingston, April 27th, 1936.

TABLE (A), KINGSTON, 1935.

Daily Record of Evaporation, in inches—Evaporimeter 6 inches above ground and 102 feet above sea level (148½ East Street).

Date.	Jany.	Feby.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.14	0.17	0.13	0.19	0.24	0.27	0.15	0.32	0.13	0.12	0.13	0.13
2	0.17	0.25	0.07	0.22	0.27	0.31	0.18	0.30	0.19	0.14	0.14	0.09
3	0.17	0.32	0.18	0.15	0.23	0.30	0.24	0.30	0.20	0.13	0.13	0.18
4	0.18	0.15	0.20	0.15	0.24	0.08	0.30	0.11	0.24	0.12	0.13	0.12
5	0.17	0.16	0.23	0.17	0.24	0.27	0.21	0.18	0.18	0.17	0.09	0.13
6	0.20	0.14	0.28	0.22	0.28	0.18	0.35	0.22	0.22	0.08	0.12	0.17
7	0.16	0.18	0.06	0.22	0.34	0.23	0.18	0.10	0.24	0.11	0.14	0.16
8	0.13	0.10	0.25	0.19	0.22	0.18	0.20	0.15	0.27	0.14	0.11	0.14
9	0.15	0.22	0.12	0.19	0.20	0.22	0.19	0.01	0.22	0.05	0.17	0.21
10	0.15	0.21	0.21	0.23	0.30	0.23	0.27	0.20	0.14	0.14	0.16	0.13
11	0.14	0.15	0.27	0.24	0.21	0.16	0.23	0.21	0.17	0.15	0.16	0.17
12	0.19	0.17	0.22	0.16	0.18	0.23	0.34	0.25	0.28	0.21	0.12	0.15
13	0.16	0.21	0.25	0.25	0.04	0.18	0.34	0.09	0.16	0.05	0.17	0.12
14	0.15	0.13	0.18	0.16	0.12	0.23	0.34	0.07	0.36	0.17	0.11	0.14
15	0.15	0.21	0.23	0.14	0.21	0.33	0.27	0.02	0.11	0.12	0.13	0.20
16	0.15	0.19	0.24	0.20	0.24	0.29	0.16	0.12	0.25	0.10	0.19	0.13
17	0.18	0.17	0.08	0.22	0.28	0.27	0.21	0.21	0.14	0.07	0.11	0.16
18	0.15	0.19	0.15	0.19	0.30	0.31	0.23	0.14	0.26	0.07	0.14	0.17
19	0.18	0.12	0.15	0.23	0.36	0.19	0.16	0.20	0.22	0.09	0.14	0.19
20	0.18	0.18	0.21	0.33	0.31	0.20	0.30	0.22	0.18	0.00	0.11	0.22
21	0.18	0.10	0.18	0.24	0.30	0.19	0.23	0.18	0.18	0.00	0.13	0.21
22	0.10	0.15	0.10	0.28	0.29	0.28	0.28	0.15	0.20	0.06	0.19	0.20
23	0.13	0.22	0.21	0.11	0.23	0.19	0.20	0.21	0.10	0.04	0.02	0.15
24	0.17	0.17	0.21	0.33	0.21	0.14	0.26	0.20	0.12	0.07	0.14	0.19
25	0.11	0.23	0.26	0.27	0.32	0.22	0.10	0.23	0.06	0.01	0.04	0.24
26	0.18	0.18	0.19	0.21	0.29	0.28	0.40	0.26	0.02	0.02	0.10	0.14
27	0.12	0.15	0.23	0.22	0.24	0.20	0.30	0.25	0.00	0.07	0.13	0.17
28	0.19	0.14	0.20	0.21	0.14	0.13	0.41	0.13	0.01	0.12	0.16	0.13
29	0.17	..	0.10	0.23	0.17	0.26	0.30	0.20	0.14	0.14	0.16	0.23
30	0.13	..	0.25	0.24	0.24	0.16	0.25	0.12	0.13	0.12	0.22	0.17
31	0.21	..	0.29	..	0.25	..	0.29	0.22	..	0.10	..	0.16
Totals	4.94	4.96	5.93	6.39	7.49	6.71	7.87	5.57	5.02	2.98	3.99	5.10
Daily Means	0.159	0.177	0.191	0.213	0.242	0.224	0.254	0.180	0.167	0.096	0.133	0.165
10-year monthly Normals.	5.06	4.90	6.64	7.75	7.91	6.93	7.87	7.56	5.12	4.05	3.55	4.37

The total Evaporation for the year 1935 was 66.95 inches.  
 10-year average .. .. 71.71 inches

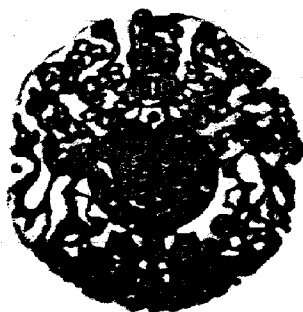
TABLE (B), NEGRIL POINT, YEAR 1935.

Daily Record of Evaporation, in inches—Evaporimeter 4 inches above ground and 27 feet above sea level.

Date.	Jany.	Feby.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.23	0.26	0.27	0.28	0.23	0.21	0.23	0.19	0.25	0.23	0.12	0.20
2	0.25	0.25	0.21	0.22	0.31	0.24	0.15	0.21	0.25	0.23	0.18	0.28
3	0.20	0.39	0.17	0.21	0.36	0.21	0.24	0.19	0.28	0.29	0.21	0.23
4	0.25	0.39	0.18	0.25	0.29	0.22	0.26	0.12	0.23	0.20	0.17	0.29
5	0.19	0.32	0.28	0.26	0.30	0.21	0.30	0.23	0.16	0.24	0.10	0.23
6	0.29	0.29	0.28	0.25	0.29	0.25	0.27	0.23	0.22	0.24	0.15	0.32
7	0.21	0.32	0.17	0.34	0.19	0.26	0.26	0.15	0.24	0.27	0.17	0.30
8	0.14	0.23	0.16	0.29	0.23	0.23	0.27	0.13	0.28	0.24	0.16	0.26
9	0.22	0.25	0.23	0.25	0.20	0.23	0.28	0.06	0.24	0.21	0.23	0.22
10	0.20	0.32	0.27	0.31	0.25	0.21	0.21	0.26	0.18	0.10	0.27	0.26
11	0.25	0.12	0.25	0.26	0.20	0.13	0.24	0.21	0.15	0.20	0.13	0.12
12	0.19	0.34	0.28	0.26	0.25	0.15	0.27	0.17	0.23	0.19	0.17	0.20
13	0.27	0.20	0.31	0.28	0.06	0.20	0.28	0.15	0.21	0.27	0.24	0.08
14	0.29	0.26	0.26	0.25	0.15	0.29	0.23	0.14	0.24	0.14	0.18	0.14
15	0.20	0.14	0.35	0.27	0.25	0.21	0.17	0.12	0.23	0.26	0.16	0.14
16	0.26	0.26	0.26	0.29	0.25	0.25	0.23	0.13	0.20	0.14	0.22	0.21
17	0.34	0.23	0.19	0.26	0.26	0.21	0.11	0.17	0.25	0.13	0.21	0.17
18	0.31	0.17	0.16	0.28	0.34	0.26	0.25	0.18	0.25	0.14	0.20	0.23
19	0.26	0.20	0.26	0.23	0.30	0.20	0.29	0.26	0.20	0.13	0.22	0.21
20	0.24	0.17	0.28	0.30	0.23	0.29	0.19	0.17	0.16	0.11	0.19	0.30
21	0.21	0.28	0.32	0.34	0.28	0.18	0.21	0.24	0.24	0.18	0.23	0.25
22	0.24	0.33	0.26	0.34	0.26	0.19	0.22	0.27	0.17	0.28	0.20	0.24
23	0.29	0.27	0.19	0.30	0.24	0.17	0.19	0.22	0.18	0.05	0.07	0.14
24	0.38	0.24	0.23	0.30	0.28	0.24	0.25	0.29	0.17	0.03	0.11	0.21
25	0.31	0.25	0.20	0.26	0.25	0.26	0.22	0.17	0.22	0.10	0.14	0.14
26	0.27	0.24	0.24	0.32	0.21	0.32	0.16	0.24	0.13	0.16	0.17	0.17
27	0.32	0.26	0.32	0.28	0.27	0.22	0.24	0.13	*0.00	0.13	0.20	0.14
28	0.35	0.18	0.21	0.25	0.27	0.16	0.25	0.27	0.19	0.22	0.23	0.15
29	0.33	..	0.21	0.27	0.28	0.22	0.21	0.16	0.19	0.16	0.22	0.15
30	0.30	..	0.20	0.27	0.25	0.28	0.21	0.26	0.29	..19	0.29	0.19
31	0.27	..	0.27	..	0.18	..	0.21	0.19	..	0.14	..	0.22
Totals	8.06	7.16	7.47	8.27	7.71	6.70	6.90	5.91	6.23	5.60	5.54	6.39
Daily Means	0.260	0.254	0.241	0.276	0.249	0.223	0.223	0.191	0.215	0.181	0.185	0.206

The total Evaporation for the year 1935 was 81.94 inches.

\* No correct reading possible. Gauge filled by driving rain.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
APRIL, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

**METEOROLOGICAL RESULTS.**

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.995	29.964	79.4	82.7	85.2	76.1	9.1	87.1	1	69.6	13	17.5
Kingston	24	29.964	29.910	75.4	84.8	87.3	71.8	15.5	91.9	14	67.6	11	24.3
Negril Point Light House	33	29.977	29.939	75.0	82.1	85.0	70.9	14.1	88.2	14*	66.6	30	21.6
Castleton Gardens	496			67.1	81.7	85.8	66.1	19.7	89.0	7	61.0	11	28.0
Hope Gardens†	668	30.016	29.926	72.7	83.7	88.2	68.9	19.3	91.0	1	67.0	11	24.0
Boon Hall	970												
Hill Gardens	4,900	25.274	25.262	63.4	65.9	70.1	56.2	13.9	73.0	27	55.0	11	18.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	72	81	74	74	5.73	299	NE	13.0	ENE	14.0	3.2	2.2	1.2	1.5	2.1	1.4
Kingston	24	68	78	71	63	1.20	204	NE	5.1	SE	16.3	1.1	1.0	2.1	4.6	1.7	0.3
Negril Point Light House	33	71	88	74	78	6.28	141	ENE	2.9	ENE	10.6	1.7	0.7	2.4	4.1	3.4	1.1
Castleton Gardens	496	65	95	76	84	9.10	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	66	78	70	63	1.47	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	60	90	62	86	4.14	..	..	..	..	..	..	..	..	..	..	..

\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

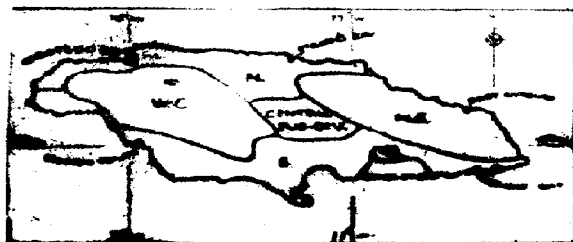


## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



April, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	9.25	6.52	19	13	6.64
Priestman's River	9.80	4.50	19	13	5.03
Bath	5.00	1.23	21	11	5.98
Barrett's Gap	6.21	1.60	21	17	..
Millbank	16.18	5.08	30	15	..
Moore Town	16.72	4.07	20	14	11.18
Port Antonio	5.44	2.85	30	14	6.55
Passley Garden	5.65	3.12	30	12	..
Fellowship	8.34	2.15	31	13	9.64
Johnson River Br.	2.29	0.54	21	9	4.08
Trinity Ville	2.22	0.96	19	6	..
Fruitful Vale	16.32	6.03	20	12	..
Hope Bay	6.64	1.84	20	12	..
Cedar Valley	2.43	0.75	19	10	4.04
Moy Hall	2.45	0.93	19	9	3.89
Paradise	15.39	7.61	20	17	..
Lennox	7.77	3.50	28	5	..
Greenvale	17.42	7.60	21	13	10.16
Darley	8.63	2.33	30	12	..
Spring Garden	7.70	3.50	20	7	4.01
Hill Gardens	4.14	2.00	20	8	5.65
Buff Bay	8.00	4.20	20	8	6.26
Orange Vale	14.36	7.00	20	8	..
Belvedere, Portland	14.24	9.20	21	2	4.50
Windsor Castle, do	10.30	4.66	20	5	5.51
Balcarras	19.97	9.32	20	8	..
Mt. Holstein	8.36	3.98	20	12	7.03
Cedar Hurst	6.09	3.40	20	11	..
Hardware Gap	7.82	2.30	22	8	6.40
Rose Hill	3.29	1.33	22	6	7.70
Mount Cressy	6.67	2.10	20	11	..

STATIONS.	April, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>					
Hermitage	3.12	1.28	21	10	...
Mount Airy	6.02	2.29	20	9	...
Stony Hill Ind. Sch	3.06	1.08	21	6	5.21
Boon Hall	3.57	1.25	21	11	...
Brandon Hill	3.08	2.13	21	5	...
Enfield	13.52	8.06	21	8	...
Agualta Vale	11.43	6.21	21	9	4.60
Castleton Gardens	9.10	3.25	20	9	6.64
Water Valley	9.60	5.00	20	3	4.88
Albany	8.42	4.46	20	6	4.66
Lawrence Tavern	4.38	1.90	20	6	4.74
Wey Hill	5.22	2.20	20	10	...
Richmond, St. Mary	7.15	4.15	20	5	4.54
Quebec, St. Mary	6.31	3.95	20	6	3.70
Above Rocks	8.43	3.07	20	9	...
Glengoffe	6.55	2.90	20	9	...
Carew Castle	3.92	2.41	20	7	5.08
Hampstead, St. Mary	6.80	2.38	20	12	5.47
Windsor Castle do.	8.96	2.13	20	14	...
Troja	5.81	3.25	20	6	...
Pear Tree Grove	8.90	3.35	20	5	...
Guy's Hill	7.68	2.70	21	10	4.32
Lucky Hill	4.75	1.15	21	9	4.92
Rio Hoe	5.03	1.65	21	9	4.51
Unity Valley	7.65	3.78	19	11	4.90
Moneague	4.89	2.27	19	6	4.66
Claremont	8.27	4.60	20	5	4.17
Averham Park	11.00	6.13	20	11	4.57
Albion	9.96	5.91	21	7	4.47
<b>NORTHERN DIVISION (N).</b>					
Port Maria	3.88	2.60	20	7	4.00
Wentworth	4.26	3.00	20	9	...
Oracabessa	3.84	1.84	20	6	...
Huddersfield	3.29	1.83	19	3	...
Ocho Rios	4.04	1.76	21	4	3.36
Rockfield	8.87	3.75	20	11	5.02
Liberty Hill	6.05	2.30	20	5	4.02
St. Ann's Bay	5.52	1.69	21	7	3.70
Richmond Estate	4.20	1.70	22	5	3.58
Runaway Bay	4.31	1.71	20	3	1.03
Knapdale	8.69	2.34	19	11	...
Alexandria	4.98	2.21	19	5	2.94
Bel-Air	6.90	2.30	21	8	...
Brown's Town	10.33	4.58	20	12	3.62
Wilton	8.50	2.75	20	10	...
Watt Town, St. Ann	7.12	3.23	19	6	3.02
Home Castle	9.60	4.20	20	6	3.22
Arcadia	5.75	1.73	19	8	2.56
Vale Royal	6.63	2.10	20	9	2.94
Harmony Hall	5.47	1.67	21	8	2.08
Duncans	5.43	1.58	19	5	...
Clark's Town	6.50	2.21	20	8	...
Falmouth	3.67	1.73	19	5	2.06
The Hague	4.51	2.30	19	9	...
Wales	8.55	4.60	20	4	...

STATIONS.	April, 1936.					STATIONS.	April, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi ..	11.20	5.59	20	7	..	Kendal, Manchester ..	11.51	4.06	19	11	6.06
Barrett Hall ..	6.05	3.00	19	6	..	Mereworth ..	14.74	4.35	19	17	..
Success ..	5.82	2.35	19	7	1.84	Mandeville ..	16.95	7.29	19	20	5.60
Rose Hall ..	3.48	1.72	19	7	1.78	Ulster Spring ..	8.25	2.30	19	13	6.85
Cinnamon Hill ..	3.72	1.35	19	7	1.83	Greenvale ..	16.21	3.95	19	14	..
Tryall ..	3.80	1.65	20	7	2.60	Albert Town ..	7.61	2.11	19	8	6.62
Running Gut ..	2.85	1.40	19	7	1.79	Craig Head ..	10.22	3.47	19	6	..
Spring Estate ..	4.30	1.90	20	6	1.67	Warsop ..	7.42	2.50	15	9	..
Friendship ..	8.94	4.80	20	7	2.72	Troy ..	9.85	3.00	26	8	8.28
Retirement ..	9.30	6.04	20	10	4.29	Wallingford ..	12.47	2.22	30	16	8.41
Rose Mount ..	5.20	2.69	20	10	..	Balaclava ..	9.23	2.00	19	12	9.03
Montego Bay ..	5.76	3.14	20	10	3.02	Wakefield ..	7.20	3.20	20	7	..
Anchovy ..	7.22	3.63	20	7	3.34	Maggotty ..	9.04	2.25	15	13	9.83
Hopewell ..	5.11	2.60	20	8	..	Lacovia ..	9.80	2.77	20	13	..
Blue Hole ..	7.28	2.00	16	9	3.55	Kempshot ..	9.99	3.96	20	13	4.90
Cascade ..	9.08	3.15	20	14	..	Mocho, St. James ..	12.12	4.20	19	10	..
Lucea ..	5.20	1.22	20	12	3.53	Bandon Pen ..	13.54	4.04	20	9	..
Haughton Court ..	..	..	..	..	3.33	Catadupa ..	10.91	3.60	19	9	7.63
Kendal—Hanover ..	6.99	2.77	16	11	..	Cambridge, St. James ..	9.42	2.30	19	12	7.13
Cousins Cove ..	5.28	1.13	20	14	..	New Market ..	9.38	2.62	18	10	10.00
Green River ..	4.74	1.88	15	9	..	Kew Park ..	11.80	3.00	13	12	7.99
Green Island ..	5.43	1.80	15	10	4.79	The Bog ..	11.64	2.89	15	15	10.35
Haughton Hall ..	4.45	1.65	16	12	..	Bethel Town Dist. ..	11.08	3.20	19	13	8.81
CENTRAL SUB-DIVISION.						Burnt Ground ..	9.00	2.54	20	11	5.75
Knollis ..	6.64	2.12	20	7	..	Haughton Grove ..	..	..	..	..	7.01
Highgate (St. Cath.) ..	7.95	2.77	21	10	..	Darliston ..	12.89	3.52	19	16	10.92
Rio Magno ..	4.16	2.60	20	7	..	Bluefields ..	8.57	1.65	20	13	8.08
Riversdale ..	4.23	1.90	20	8	..	Whithorn ..	10.11	2.42	19	14	7.13
Headworks, R.C.C. ..	3.61	1.42	20	5	3.46	Water Works Pen ..	9.78	3.15	19	15	7.43
Bog Walk ..	5.03	1.83	21	6	..	Williamsfield, Westld. ..	10.22	1.75	13	15	..
Linstead ..	4.08	2.70	20	5	4.46	Baulk ..	9.13	3.18	15	14	..
Ewarton ..	2.06	1.05	10	4	..	Askenish ..	7.40	2.00	3	8	6.96
Cave Valley ..	7.14	2.45	19	8	4.63	Grange Hill ..	8.55	2.00	19	15	7.01
Guanaboa Vale ..	..	..	..	..	..	Mount Eagle ..	8.16	1.76	19	15	..
Point Hill ..	5.34	2.43	21	8	5.52	King's Vale ..	6.05	1.64	16	12	5.64
Brown's Hall ..	5.22	2.30	21	6	4.17	SOUTHERN DIVISION (S).					
Bellas Gate ..	3.03	1.70	20	4	2.39	Morant Point L. H. ..	5.73	2.70	19	13	3.19
Rock River ..	5.62	3.95	20	7	..	Golden Grove ..	..	..	..	..	..
Crofts Hill ..	3.96	1.50	21	8	3.73	Pleasant Hill ..	4.73	1.87	21	18	2.19
Far Enough ..	7.01	2.40	20	11	..	East Prospect ..	3.91	1.61	21	11	4.23
Suttons ..	..	..	..	..	..	Morant Bay ..	1.73	0.66	21	12	2.84
Colonel's Ridge ..	5.97	2.24	19	9	..	Aeolus Valley ..	1.06	0.23	19	10	..
Chapelton ..	5.50	2.18	19	11	3.73	Yallahs ..	0.20	0.20	13	1	..
Crooked River ..	6.51	2.25	19	11	..	Easington ..	0.38	0.18	19	6	2.00
James Hill ..	7.25	2.60	20	10	..	Llandewy ..	0.58	0.20	11	8	..
Frankfield ..	9.15	3.85	19	8	3.44	Mavis Bank ..	1.32	0.25	19	11	..
WEST-CENTRAL DIVISION (W.C.)						Bull Bay ..	0.06	0.06	11	1	0.93
Mocho, Clarendon ..	12.10	3.00	20	11	4.76	Dallas Castle ..	4.29	4.09	11	10	..
Clarendon Park ..	8.96	2.16	21	12	..	Gordon Town ..	2.32	1.13	11	8	3.26
Porus ..	9.54	2.70	20	11	..	Irish Town ..	3.86	1.03	11	11	4.06
Borobridge ..	7.78	3.80	19	9	..	Hope Gardens ..	1.47	0.38	29	13	2.95
Spaldings ..	8.70	3.70	19	12	3.43	Waiteka ..	..	..	..	..	..
Williamsfield ..	10.31	3.21	19	15	..	Ivor ..	..	..	..	..	..
Brokenhurst ..	13.55	5.86	19	14	5.31	Barbican ..	1.31	0.45	11	11	..
Shooters Hill ..	8.61	3.09	19	9	4.17	Plumb Point L. H. ..	0.00	..	..	0	1.15
Walt-a-bit ..	14.15	3.43	16	12	..	King's House Gar. ..	..	..	..	..	2.43
Christiana ..	10.68	4.88	19	10	6.64	Cavaliers ..	1.04	1.04	21	1	..
Clifton Hill ..	17.77	8.10	19	10	4.45	Upper Kingston ..	0.79	0.72	21	4	0.94
						Parade Garden ..	0.97	0.95	21	2	..

STATIONS.	April, 1936.					STATIONS.	April, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	In.			Ins.
Kingston P.W.O. . .	1.20	1.10	21	3	1.17	Alligator Pond . .	4.30	0.98	18	9	2.97
Constant Spring . .	4.21	1.38	21	9	..	Fairfield . .	15.63	4.25	19	19	5.39
Halfway Tree . .	1.09	0.46	21	10	1.86	Myersville . .	9.84	3.07	19	10	..
Clifton Pen . .	1.07	0.90	21	3	1.74	Southfield, St. Eliz.	5.73	1.63	13	11	3.60
Seaward Pen . .	1.98	1.00	11	4	..	Windsor, St. Eliz.	5.91	1.20	27	13	..
Red Hills . .	3.59	1.00	21	7	..	Torrington . .	6.97	2.05	27	7	4.86
Quarantine Station	0.16	0.04	7	6	1.36	Santa Cruz . .	11.02	2.73	20	12	8.81
Hematine . .	2.64	1.68	25	5	2.49	Hounslow . .	6.15	2.28	27	7	..
Spanish Town . .	3.51	2.08	25	4	2.36	Pedro Plains . .	4.94	1.58	27	8	2.64
The Stewartry . .	7.96	3.00	25	3	..	Mountainside . .	9.68	2.45	27	6	5.20
Hog Hole, St. Cath.	6.28	2.25	21	6	2.94	Fort Charles . .	4.76	1.42	27	6	..
Old Harbour . .	2.47	1.50	25	5	2.81	Black River . .	5.04	1.39	20	11	3.98
May Pen . .	4.24	1.30	19	9	3.60	Font Hill . .	5.50	3.30	19	7	4.45
Glen Muir . .	6.35	2.00	19	6	..	Mount Edgecombe	5.08	1.24	19	13	5.32
Cottage . .	..	..	..	..	..	Sweet River . .	5.16	1.60	19	14	5.63
Belle Plain . .	10.83	2.64	12	12	..	Sav.-la-Mar . .	5.22	1.63	13	10	4.79
Milk River . .	6.63	2.70	19	8	2.22	Little London . .	7.24	1.94	19	13	4.88
Retrieve . .	6.00	2.00	19	7	2.59	Retreat . .	5.70	1.82	19	11	4.91
Hog Hole, S. Man.	7.83	2.98	19	4	3.75	Negril Point L. H.	6.28	2.20	27	12	2.92
Stone's Hope . .	7.19	1.50	27	14	4.13						
Newport, Man. . .	6.39	2.30	19	11	4.77						

## NOTES.

## SHOCKS OF EARTHQUAKE IN APRIL, 1936

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.					Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
DIVISIONAL  AND  ISLAND RAINFALL.	April.				3rd	5.40 a.m.	I	Black River
					14th	12.37 p.m.	I	Easington
					"	"	I	Seaforth
	Rainfall.		Rainy Days		20th	7.30 a.m.	II	Kingston
					"	"	"	Barbican
					"	8.27 p.m.	"	Moy Hall
					"	"	"	Aeolus Valley
					"	"	"	Barbican
					"	"	"	Kingston
North-Eastern ..	Ins.	Ins.						
Northern ..	7.57	5.80	9	10				
West-Central ..	5.69	3.17	8	6				
Southern ..	10.44	6.82	12	11				
	4.63	3.28	8	7				
The Island means	7.08	4.77	9	9				

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—APRIL.

The mean monthly rainfall was above the average in all Divisions, particularly the West-Central. The heaviest precipitation occurred in the latter half of the month, especially on the 19th, 20th and 21st. The greatest total fall for the month was 19.97 inches at Balcarres in the North-Eastern Division, and the heaviest fall in 24 hours was 9.32 inches at the same station on the 20th.

No rain fell at Plumb Point Lighthouse in the Southern Division.

The mean number of rainy days was 9, which is the average for the month. The greatest number was 20 at Mandeville in the West-Central Division.

The mean rainfall in each parish is given below, compared with the 10-year average. Manchester was highest with 11.08 inches, and Kingston with 0.74 inch, was lowest.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Ins.	Ins.		Ins.	Ins.
Kingston ..	0.74	1.08	St. James ..	7.50	5.21
St. Andrew ..	3.39	4.45	Hanover ..	6.33	6.13
St. Thomas ..	2.78	4.67	Westmoreland ..	8.51	7.85
Portland ..	11.07	10.45	St. Elizabeth ..	7.84	6.97
St. Mary ..	7.61	6.63	Manchester ..	11.08	5.07
St. Ann ..	7.15	5.62	Clarendon ..	7.11	4.48
Trelawny ..	7.21	5.18	St. Catherine ..	4.87	4.93

## CITY OF KINGSTON.

The total rainfall for the month of April, 1936, was 1.20 inch, as against the 60-year normal of 1.17 inch. The greatest fall in 24 hours was 1.10 inch on the 21st. There were three rainy days as against the 49-year average of five. The upper boundary of Kingston gauged 0.79 of an inch with four rainy days. South-easterly rainsquall on the 21st.

Distant rain was observed to northward on five occasions, to the NE on two, to the east on two, to the south-west and west on one day each.

Distant lightning, in the evening, observed to northward on the 15th and 20th, also thunderstorm to northward on the same days.

The mean barometric pressure was 29.944 inches. The 33-year normal being 29.941 inches, shewing 0.003 of an inch above the normal. The highest barometer reading was 30.036 ins. on the 9th at 7 a.m. and the lowest was 29.885 ins. on the 18th at 7 a.m. The readings are corrected also for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 79.3°; the 33-year normal being 78.2°, shewing 1.1° above the normal. The highest maximum temperature was 91.9° on the 14th and the lowest minimum was 67.6° on the 11th. On the other hand the lowest maximum was 83.2° on the 10th, and the highest minimum was 77.1° on the 19th. The greatest range of temperature was 20.3° on the 14th, and the least range was 10.7° on the 18th. The maximum was above 90° once, and the minimum below 70° on seven days.

The mean daily miles of wind registered was 204, the normal being 188, or 9% above the normal. The greatest number of miles in 24 hours was 369 on the 2nd. The least was 113 miles on the 28th. South-easterly wind blew in the early morning on the 14th and 18th, and continued until after 7 p.m. on 12 evenings and prevailed throughout the night on 3 occasions.

The mean relative humidity was 75%, and the 33-year normal shews 78%. The lowest 7 a.m. was 68% on the 3rd, and the lowest 3 p.m. was 52% on the 30th.

The sky was overcast in the early morning on eleven occasions and in the afternoon on seventeen occasions. Moderate haze was observed from 1st to 13th, but dense on 8th.

The total amount of evaporation for the month of April, 1936, was 7.55 inches, as against the 10-year average of 7.75 inches.

Solar halos on 15th and 16th.

The mean daily number of sunshine hours was 6.6.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman. —Total rainfall for the month of April, 1936, was 2.53 inches. Greatest fall in 24 hours was 0.86 inch, on the 17th, with 11 rainy days.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
May 20th, 1936.

## CORRIGENDUM.

Weather Report No. 716, March 1936, page 8, Evaporation Negril Point, 1935.

Amend total for July to read 7.10 instead of 6.90.

Amend Mean for July to read 0.229 instead of 0.223.

Amend total for the year to read 82.14 instead of 81.94.

No. 718.



JAMAICA  
**WEATHER REPORT**  
FOR THE MONTH OF  
MAY, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45 and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

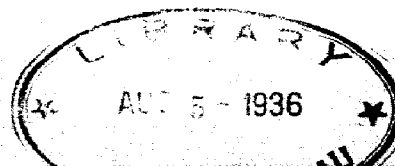
The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure			Temperature.				Extreme Temperature.			
		7 a.m.	3 p.m.		7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Day.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.897	29.863	81.0	84.1	86.3	77.1	9.2	89.0	31	70.6	5*
Kingston	24	29.869	29.824	78.1	85.1	88.2	73.4	14.8	90.4	12	69.3	2
Negril Point Light House	33	29.877	29.850	78.0	84.1	86.2	73.0	13.2	89.0	25	67.0	1
Castleton Gardens	496			69.6	81.1	85.5	68.6	16.9	91.0	27	62.0	2
Hope Gardens†	668	29.914	29.849	73.5	81.5	86.7	70.2	16.5	91.0	27	67.0	2
Boon Hall	970											
Hill Gardens	4,900	25.230	25.217	63.5	64.8	67.2	55.9	11.3	70.0	27	55.0	1

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.			Rainfall.	Win 1 per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.	3 p.m.				7 a.m.	3 p.m.			7 a.m.	3 p.m.				
	ft.	°	%	°	ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	75	81	75	76	3.78	232	NNE	10.0	NE	9.0	2.6	1.9	1.4	1.1	3.2
Kingston	24	71	79	73	69	8.95	176	NNE	5.1	SE	12.3	0.7	0.5	3.3	6.6	0.8
Negril Point Light House	33	73	85	75	76	7.92	124	ENE	3.2	Var.	7.9	1.9	1.5	3.8	3.1	3.6
Castleton Gardens	496	69	85	75	81	32.47	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	68	83	71	71	13.31	..	..	..	..	..	..	..	..	..	..
Boon Hall	970						..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	92	63	92	17.78	..	..	..	..	..	..	..	..	..	..

\* And on other days [Hope Gardens Bar. read at 9 a.m. and 3 p.m.]

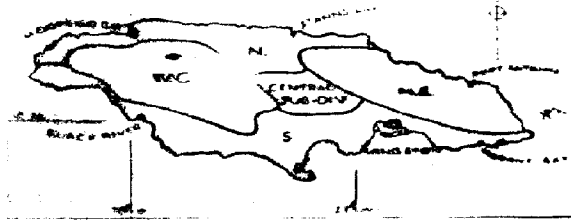


## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negrit; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



May, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more f. ll.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
	Ins.	Ins.			Ins.
Manchioneal	11.58	2.46	31	24	12.66
Priestman's River	19.20	4.00	31	16	10.55
Bath	18.90	5.45	31	20	12.33
Barrett's Gap	19.80	5.90	31	20	
Millbank	48.79	5.10	2	31	
Moore Town	43.72	6.30	1	30	16.68
Port Antonio	22.43	3.00	28	26	13.73
Passley Garden	21.26	4.32	7	23	
Fellowship	47.56	7.20	1	24	16.19
Johnson River Br.	7.38	1.40	31	13	9.56
Trinity Ville	15.37	3.60	31	13	
Fruitful Vale	47.18	6.38	28	27	
Hope Bay	34.30	5.71	28	27	
Cedar Valley	12.68	3.00	28	17	9.10
Moy Hall	17.89	3.45	28	20	9.25
Paradise	53.32	10.16	8	28	
Lennox	36.52	5.50	8	19	
Greenvale	24.76	3.91	2	24	9.27
Darley	44.22	6.72	1	27	
Spring Garden	28.21	6.50	5	24	6.05
Hill Gardens	17.78	3.58	28	24	9.77
Buff Bay	26.50	3.70	8	23	7.97
Orange Vale	24.76	3.10	13	23	
Belvedere, Portland	32.12	4.95	2	17	6.08
Windsor Castle, do	20.33	3.32	10	18	5.86
Balcarras	26.39	3.91	28	24	
Mt. Holstein	18.93	3.38	28	29	10.07
Cedar Hurst	21.70	3.61	28	28	
Hardware Gap	32.84	3.30	5	29	11.24
Rose Hill	18.77	1.43	29	28	12.52
Mount Cressy	28.68	7.15	28		

May, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Hermitage	23.91	2.95	28	28	Ins.
Mount Airy	26.01	7.36	28	20	Ins.
Stony Hill Ind. Sch	28.14	4.00	28	28	9.29
Boon Hall	27.24	7.50	28	24	Ins.
Brandon Hill	23.44	9.10	28	22	Ins.
Enfield	31.78	3.75	17	23	Ins.
Agualta Vale	14.99	5.35	28	20	5.76
Castleton Gardens	32.47	12.95	28	20	11.65
Water Valley	9.78	5.00	28	11	7.06
Albany	11.39	4.75	28	18	6.92
Lawrence Tavern	30.79	9.40	28	20	9.18
Wey Hill	17.52	6.17	28	15	Ins.
Richmond, St. Mary	14.63	5.30	28	13	7.54
Quebec, St. Mary	11.75	3.95	28	14	6.45
Above Rocks	28.23	7.11	28	24	Ins.
Glengoffe	19.83	6.00	28	11	Ins.
Carew Castle	25.79	6.04	28	24	9.78
Hampstead, St. Mary	8.36	3.15	28	17	7.33
Windsor Castle do.	12.43	5.05	28	11	Ins.
Troja	14.27	5.58	28	10	Ins.
Pear Tree Grove	13.33	5.47	28	10	Ins.
Guy's Hill	13.21	5.30	28	19	7.46
Lucky Hill	12.56	4.05	28	14	8.48
Rio Hoe	18.60	6.85	28	12	8.12
Unity Valley	27.89	7.77	28	22	9.79
Moneague	21.86	7.45	28	17	8.76
Claremont	16.16	5.40	28	10	7.08
Averham Park	12.09	5.56	28	15	7.26
Albion	19.58	6.24	28	19	8.30

**NORTHERN DIVISION (N).**

Port Maria	9.33	3.30	28	17	6.31
Wentworth	9.38	3.20	28	13	..
Oracabessa	10.71	4.00	28	11	..
Huddersfield	8.16	2.33	28	7	..
Ocho Rios	10.40	2.30	28	13	5.22
Rockfield	10.30	3.20	29	13	5.94
Liberty Hill	6.45	3.00	28	11	4.72
St. Ann's Bay	10.61	2.34	28	12	5.30
Richmond Estate	8.72	3.29	28	11	6.14
Runaway Bay	9.86	2.07	31	6	2.23
Knapdale	14.87	6.50	28	18	..
Alexandria	16.00	3.70	28	22	7.29
Bel-Air	16.10	5.30	28	15	..
Brown's Town	15.64	6.59	28	23	8.61
Wilton	12.50	4.70	28	17	..
Watt Town, St. Ann	10.57	4.74	28	15	8.24
Home Castle	12.45	7.60	28	8	5.60
Arcadia	10.45	4.40	28	12	4.89
Vale Royal	11.64	3.57	28	12	5.82
Harmony Hall	9.35	3.80	28	8	4.49
Duncans	9.65	2.35	28	7	..
Clark's Town	9.95	2.62	28	11	..
Falmouth	9.34	3.15	2	6	4.48
The Hague	11.19	3.70	2	10	..
Wales	14.65	3.70	2	7	..

May, 1936.						May, 1936.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	13.02	4.58	2	11	Ins.	Kendal, Manchester	38.80	14.65	28	22	9.83
Barrett Hall	6.78	2.50	2	5	Ins.	Mereworth	30.26	8.00	28	27	
Success	9.16	2.85	2	8	4.25	Mandeville	30.98	9.56	28	26	9.93
Rose Hall	9.43	2.90	2	8	4.24	Ulster Spring	21.67	3.10	15	25	11.90
Cinnamon Hill	9.62	2.85	2	10	4.78	Greenvale	30.30	6.25	28	28	
Tryall	9.30	2.60	2	7	6.05	Albert Town	28.13	4.25	2	25	10.58
Running Gut	9.38	2.44	2	7	4.74	Craig Head	30.46	6.77	19	21	
Spring Estate	9.85	3.10	31	7	4.28	Warsop	25.52	3.54	18	20	
Friendship	10.92	3.25	31	12	7.85	Troy	28.08	3.10	16	24	14.60
Retirement	10.82	2.43	28	13	8.50	Wallingford	32.45	4.18	28	26	11.80
Rose Mount	9.84	2.75	31	11		Balaclava	29.63	3.83	28	24	12.13
Montego Bay	10.70	3.42	31	11	7.12	Wakefield					
Anchovy	11.07	2.37	31	15	8.00	Maggotty	19.84	1.80	16	27	13.21
Hopewell	13.53	3.10	31	11		Lacovia	13.64	3.28	28	15	
Blue Hole	8.63	2.78	31	10	12.10	Kempshot	11.66	3.14	17	14	10.19
Cascade	12.95	3.09	31	18		Moch, St. James	37.48	5.15	17	23	
Lucea	4.16	1.74	31	9	8.53	Bandon Pen	20.52	3.52	17	14	
Haughton Court	6.22	2.20	31	7	8.89	Catadupa	23.96	4.56	17	25	15.76
Kendal—Hanover	16.37	2.62	31	27		Cambridge, St. James	21.71	3.05	17	25	13.30
Cousins Cove	6.73	2.65	31	11							
Green River	10.20	2.65	31	13		New Market	18.65	3.20	20	18	12.50
Green Island	7.69	2.93	31	10	9.84	Kew Park	22.81	2.98	28	23	12.97
Haughton Hall	9.72	2.60	28	16		The Bog	18.39	3.09	20	17	14.15
CENTRAL SUB-DIVISION.						Bethel Town Dist.	21.30	2.70	15	26	16.95
Knollis	21.40	6.59	28	23		Burnt Ground	31.25	3.60	17	20	13.74
Highgate (St. Cath.)	21.12	7.53	28	28		Haughton Grove					13.98
Rio Magno	13.07	5.36	28	14		Darliston	21.87	3.63	20	24	16.30
Riversdale	12.61	2.85	28	17		Bluefields	11.26	1.65	28	14	11.86
Headworks, R.C.C.	19.02	4.83	28	16	7.31	Whithorn	14.92	2.70	28	19	13.29
Bog Walk	24.49	7.95	28	18		Water Works Pen	15.17	2.34	28	17	11.86
Linstead	23.58	10.65	28	15	9.69	Williamsfield, Westld.	20.36	3.00	3	24	
Ewarton	23.43	12.86	28	10		Baulk	14.82	2.47	12	20	
Cave Valley	36.78	17.85	28	20	9.10	Askenish	21.58	3.10	25	21	12.65
Guanaboa Vale	18.03	8.53	28	16		Grange Hill	10.50	2.10	31	20	13.44
Point Hill	34.03	11.87	28	21	11.11	Mount Eagle	10.89	2.86	31	19	
Brown's Hall	24.14	11.88	28	16	8.38	King's Vale	9.28	2.34	17	15	11.38
Bellas Gate	30.04	15.65	28	17	5.57	SOUTHERN DIVISION (S).					
Rock River	32.59	12.50	28	18		Morant Point L. H.	3.78	2.21	19	13	8.68
Crofts Hill	38.91	11.60	28	22	7.16	Golden Grove	7.65	2.48	19	14	
Far Enough	28.03	7.89	28	27		Pleasant Hill	9.78	2.74	19	6	7.69
Suttons	36.29	10.87	28	26		East Prospect	9.61	4.16	31	13	8.88
Colonel's Ridge	33.57	7.88	28	25		Morant Bay	3.97	0.44	28	12	7.31
Chapelton	23.51	6.38	28	23	8.55	Acolus Valley	6.95	2.04	31	11	
Crooked River	21.77	6.20	28	28		Yallahs	3.93	1.00	19	6	
James Hill	35.65	10.38	28	28		Easington	6.29	0.84	19	12	6.26
Frankfield	43.59	12.37	31	20	7.52	Llandewy	4.58	1.51	31	10	
WEST-CENTRAL DIVISION (W.C.)						Mavis Bank	13.31	3.00	28	22	
Moch, Clarendon	22.87	7.33	31	20	9.71	Bull Bay	3.28	1.40	31	5	3.87
Smithville	48.96	14.36	31	19		Dallas Castle	8.43	1.62	28	18	
Clarendon Park	26.02	8.76	31	20		Gordon Town	15.08	3.40	28	20	7.13
Porus	25.44	10.22	28	22		Irish Town	25.46	2.92	21	25	6.56
Borobridge	37.15	15.60	28	27		Hope Gardens	13.31	3.80	28	23	6.23
Spaldings	36.14	15.27	28	28	7.74	Waireka					
Williamsfield	30.07	11.50	28	27		Ivor	18.73	3.54	28	23	
Brokenhurst	29.96	9.10*	28	21	9.59	Barbican	17.60	4.70	28	22	
Shooters Hill	39.34	16.48*	28	20	7.34	Plumb Point L. H.	7.88	4.50	31	5	4.57
Wait-a-bit	31.85	4.98	28	29		King's House Gar.	14.77	5.44	28	14	5.84
Christiana	30.91	9.62	28	29	10.69	Cavaliers	11.67	3.98	29	14	
Holmwood	31.95	10.20	28	29		Upper Kingston	10.44	4.20	28	13	2.44
Clifton Hill	42.67	15.70	28	17	6.97	Parade Garden	8.89	3.49	31	8	

\*Gauge overflowed.

STATIONS.	May, 1936.					STATIONS.	May, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	In.			Ins.
Kingston P.W.O. . .	8.95	3.60	28	8	4.01	Alligator Pond . .	7.78	4.53	28	11	5.15
Constant Spring . .	24.07	5.97	29	22		Fairfield . . . .	32.87	4.00	28	28	7.55
Halfway Tree . . .	12.51	4.86	28	16	4.63	Myersville . . . .	22.02	7.90	28	15	
Clifton Pen . . . .	13.46	4.82	28	14	3.94	Southfield, St. Eliz.	11.68	6.32	28	14	5.88
Seaward Pen . . . .	14.18	6.04	28	8		Windsor, St. Eliz.	27.29	8.83	28	21	
Red Hills . . . . .	25.84	6.50	28	15		Torrington . . . .	27.13	9.56	28	13	6.26
Quarantine Station .	5.33	3.20	29	11	3.33	Santa Cruz . . . .	34.29	8.71	28	24	11.02
Hematine . . . . .	12.42	3.15	28	15	6.19	Hounslow . . . . .	22.38	8.40	28	14	
Spanish Town . . . .	13.88	3.90	28	17	5.82	Pedro Plains . . . .	12.32	7.75	28	9	3.48
The Stewartry . . .	20.81	4.82	31	15		Mountainside . . .	21.21	8.20	28	13	3.73
Hog Hole, St. Cath.	21.38	4.73	31	19	6.65	Fort Charles . . . .	15.18	8.76	28	7	
Old Harbour . . . .	14.28	8.20	28	13	5.85	Black River . . . .	13.17	4.82	28	12	6.57
May Pen . . . . .	16.70	6.80	28	16	6.44	Font Hill . . . . .	7.15	2.25	19	10	7.40
Glen Muir . . . . .	16.80	6.40	29	10		Mount Edgecombe .	10.10	2.17	20	15	8.37
Cottage . . . . .	6.43	2.06	28	12		Sweet River . . . .	8.91	1.80	25	15	9.88
Belle Plain . . . . .	21.74	6.56	31	15		Sav.-la-Mar . . . .	6.99	3.50	28	12	8.60
Milk River . . . . .	14.65	5.32	28	3	5.60	Little London . . .	9.06	3.80	28	14	9.89
Retrieve . . . . .	11.82	3.96	28	14	4.77	Retreat . . . . .	7.54	3.22	28	11	9.03
Hog Hole, S. Man. .	18.21	6.50	18	8	6.82	Negril Point L. H.	7.92	2.93	25	12	6.25
Stone's Hope . . . .	21.07	7.83	28	17	8.51						
Newport, Man. . . .	24.77	9.40	28	19	8.02						

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	May.			
	Rainfall.		Rainy Days	
	1936.	Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern . . .	20.88	9.76	20	13
Northern . . . . .	15.00	6.90	14	10
West-Central . . . .	24.09	12.06	21	15
Southern . . . . .	13.44	6.35	14	10
The Island means	18.35	8.77	17	12

## SHOCKS OF EARTHQUAKE IN MAY, 1936

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
28th	11.20 p.m.	II	Kingston Halfway Tree Barbican Port Royal Fellowship Free Hill Richmond Albany Port Maria Unity Valley Albion Above Rocks Quarantine Station Harkers Hall Guys Hill Highgate (St. Cath.) Linstead Point Hill Browns Hall Cottage Alley Redwood Chapelton Far Enough Colonels Ridge Malvern Mulgrave

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.



## THE ISLAND—MAY.

The Mean Monthly Rainfall was more than double the average in all Divisions, and was the second highest May rainfall on record—the highest being 21–24 inches in 1888.

Very heavy rains occurred towards the end of the month, particularly on the 28th, which caused serious damage to roads, on many of which traffic was interrupted by inundation, landships and breakaways. These rains were general throughout the Island, but heaviest in St. Andrew, Portland, St. Elizabeth, Manchester, Clarendon and St. Catherine.

The greatest total fall for the month was 53.32 inches at Paradise in the north-eastern division and the heaviest fall in 24 hours was 17–85 inches at Cave Valley on the 28th. Other heavy falls on the 28th were Shooter's Hill, 16.48 (gauge overflowed); Bellas Gate, 15.65 inches; Borobridge, 15.60 inches; Spaldings 15.27 inches, Kendal (Manchester) 14.65 inches, Castleton, 12.95 inches; Ewarton, 12.86 inches; and several other stations gauged over 10.00 inches.

The mean number of rainy days was 17, the average being 12. Millbank in the north-eastern division had the record number of 31, Moore Town had 30 and several stations had from 27 to 29 rainy days.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 31.12 inches was highest, Manchester with 28.07 was second and Clarendon with 27.78 inches, third. Kingston, with 9.04 inches was lowest. All parishes were much above normal.

Parish.	1936.	10-year average.	Parish.	1936.	10-year average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	9.04	1.90	St. James ..	13.62	8.79
St. Andrew ..	19.91	5.73	Hanover ..	12.67	11.00
St. Thomas ..	9.90	5.30	Westmoreland ..	13.70	10.77
Portland ..	31.12	9.96	St. Elizabeth ..	20.50	6.86
St. Mary ..	14.35	7.74	Manchester ..	28.07	5.91
St. Ann ..	15.37	6.90	Clarendon ..	27.78	5.67
Trelawny ..	17.04	7.45	St. Catherine ..	19.25	6.31

## CITY OF KINGSTON.

The total rainfall for the month of May was 8.95 inches, and shewing more than double the 60-year normal of 4.02 inches. There were eight rainy days; the normal being seven. The heaviest fall in 24 hours was 3.60 inches on the 28th. The upper boundary of Kingston gauged a total fall of 10.44 inches, with thirteen rainy days.

The number of days upon which distant rain was observed, is as follows:—to the northward on twenty-one days, to north-eastward on twelve days, to eastward on four days, to the westward on one day and to the north-westward on two days.

Distant lightning was seen to the NE on several evenings, and it was very intense to the westward on the 28th from about 8 p.m. to 10 p.m. giving flashes at the rate of about 26 to 32 to the minute. This distant lightning continued with less intensity throughout the same night. Distant thunderstorm to the northward on eleven days, particularly between the 6th and 21st, to the north-east on the 10th and 16th.

The mean barometric pressure was 29.852 inches; the 33-year normal being 29.910 inches, representing the large departure of 0.058 of an inch below the normal. This is exceptional, for it exceeds half a tenth of an inch. The pressure was lowest towards of an inch. The pressure was lowest towards the latter end of the month. The highest reading was 29.935 ins. on the 4th at 3 p.m., and the lowest was 29.780 ins. on the 28th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature was 80.7°, based upon four observations per day; the 33-year average being 79.7° shewing 1.0° above the average. The extreme maximum was 90.4° on the 12th, and the extreme minimum was 69.3° on the 2nd, equivalent to an extreme range of 21.1°. On the other hand the lowest maximum was 86.2° on the 4th, and the highest minimum was 80.7 on the 31st. The greatest daily range was 19.2° on the 2nd, and the least range was 7.0° on the 31st. The maximum was below 90° once, and the minimum was below 70° once.

The mean daily miles of wind registered was 176, as compared with the 25-year normal of 209, shewing 16% below the average. The greatest number of miles of wind recorded in 24 hours was 365 on the 28th and the least was 107 on the 18th. South-easterly wind, early, was recorded on three days, and continued throughout the night twice.

The mean relative humidity was 78%, the 33-year normal being 79%. The lowest 7 a.m. was 70% on the 12th, and the lowest 3 p.m. was 56% on the 2nd.

Overcast conditions in the forenoon occurred on ten days, and in the afternoon on twenty-four days.

The total evaporation for the month of May was 7.24 ins., the ten-year normal being 7.91 ins.

Mean daily number of sunshine hours 5.7.

## EARTHQUAKE OF THE 28TH.

There was an extensively felt earthquake on the 28th May, at about 11.20 p.m., confined to a large central area of the Island, covering an area of about 1,600 square miles. It was apparently of short duration, lasting about two seconds, but as a sharp shock at some places. There was felt, also, at about the same time a shock of similar intensity around the area from about Malvern to Balacava and Ipswich in the parish of St. Elizabeth. No damages were reported.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of May was 20.47 inches. Greatest fall in 24 hours 8.66 inches on the 31st. Total number of rainy days 9.

Kingston,  
June 19th, 1936.

J. F. BRENNAN,  
Government Meteorologist.

## THE FLOOD RAINS OF MAY, 1936.

The attention of parties interested in the phenomenal precipitation tabulated for May, 1936, is drawn to the following particulars concerning the distribution of rain over the general area of the Island.

It is found that May, 1936 shows a mean Island rainfall of over 18 inches, and is the second to the greatest of 21 inches which occurred in May, 1888—the 60-year normal being 8.77 inches. These extraordinary records give more than double the average.

The system of rainfall registration for Jamaica commenced in the year 1870, and it is worthy of note to state that for the 68 years to the present time there are but five instances, during this long period when the mean monthly total exceeded this May, 1936 record, as follows:—

1886 June	23.36 inches.
1888 May	21.24 “
1897 October	19.36 “
1909 November	21.22 “
1912 November	26.74 “
1933 October	28.43 “

The above are extracted from tables comprising over 800 months. Consequently, the probability of such an excessive rainfall above 18.35 inches happening is upon an average of about once in 134 months; but such heavy rainfalls are obviously limited to the months of May, June, October, and November, being normally the rainiest months. The remainder of months have given no such evidence in 67 years.

To enable a better grasp to be obtained of the incidence of May, 1936 rainfall, a map has been prepared illustrating the contour lines of distribution in successive stages, indicating falls from 0 to 10 inches, 10 to 20 inches, &c. up to 50 inches, being the extreme total.

From a glance at this map, it will be apparent there is a great preponderance in the North-East Section as well as in two isolated spots in the West-Central Division, including Frankfield, Clifton Hill and Smithville, recording between 40 and 50 inches. There are in all about 10 stations (mostly in Portland) coming under this range. On the other hand there will be observed a long strip of country, near to the sea coast, starting from Morant Point Light House along the south side of the Island to Negril Point, and thence along the north coast, so far as near to St. Ann's Bay, where the rainfall total is about 10 inches and below. There are nearly 50 places, gauging this least precipitation. The remainder of the country, where the totals range from 11 to 40 inches, covers an extensive area, embracing about 180 stations. As generally experienced the mountainous parts of the Island claim far greater rainfall than the lowlands, for most of the time, even under sub-normal conditions. The greater part of this heavy precipitation occurred during the latter end of this month of May, 1936.

As May, 1888 stands next higher with 21 inches to this May's rainfall of 18 inches, some reference to what happened in May, 50 years ago, should contribute in making comparison.

From the printed Jamaica Weather Report for May, 1888, are extracted certain particulars which may prove of interest as follows:—

## MAY SEASONS OF 1888.

“The May seasons of this year have in parts of the Island rivalled the flood rains of June, 1886, and in one or two instances the rainfall has exceeded that of any previous month on record in Jamaica.”

“Every part of the Island has shared in the much needed “Seasons” but it is in the Eastern part of the Island that falls of rain have been recorded from three to six, and even in one case over eight times the average fall for May. This occurred at the Plumb Point Light House where the fall was 38.63 inches, and the average is 4.64 inches.”

“The fall was greater on the coast than higher up inland, *which is not usual*, e.g., at Plumb Point Light House, 38.63; at Kingston 28.66; at Monaltrie 27.61; at Hope Plantation 26.87; at Woodford 29.98; and at Newton only 19.97 (this last station stands 4,500 ft. above sea level).

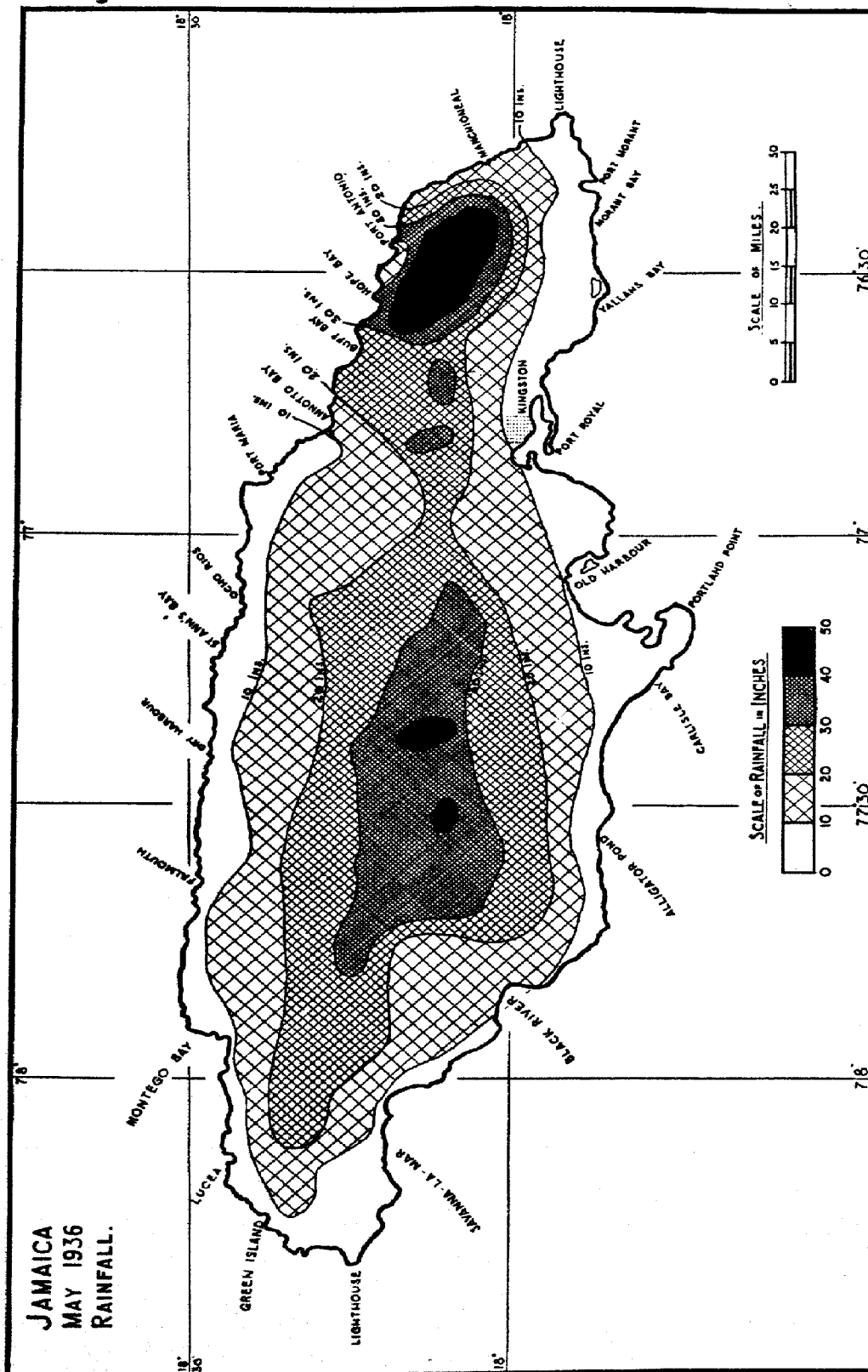
“On the North-Eastern coast, however, from Port Antonio to the East end, the most excessive falls took place.

“The fall at Port Antonio was 71 inches, at Elmswood 62 inches, at Hordley and Quaw Hill 60 inches, while at Boston (St. Thomas) it reached the enormous total of 95 inches for the month. This far exceeds the largest monthly fall hitherto on record at any station in Jamaica, which was 64 inches at the Blue Mountain Peak during December, 1885.

“These heavy “Seasons” between the 8th and 15th were accompanied by two small barometric depressions travelling westwards, the heaviest falls of rain occurring simultaneously with the slight falls of the barometer.

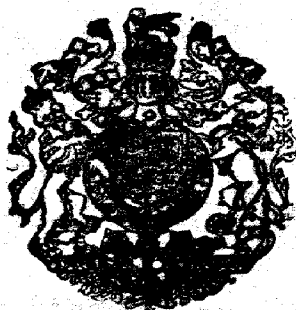
“There was little or no wind experienced anywhere during these rains, beyond occasional squalls, and as far as can be made out they did not appear to have done nearly as much damage as the rains in June 1886, although of course some of the roads were considerably cut up and some landslips occurred. The railway lines do not appear to have suffered to any appreciable extent.”

It may be observed that in the year 1888, for the month of May, there were only 109 reporting rainfall stations, which is less than one-half the number of stations at the present time. A study of the relative total falls for May, 1888, reveals the fact that the Eastern section of the Island experienced the heaviest falls, particularly in Southern St. Thomas along the lowlands as far as St. Catherine where the falls range 26 inches to 35 inches, presenting a somewhat dissimilar distribution to that of May, 1936. Furthermore, it appears likely that the rainfall for June, 1936, will prove to be also much above the normal, but as a continuation of the excessive rains at the end of May. The first half of June will no doubt give a preponderance.



MAP SHOWING RAINFALL IN JAMAICA IN MAY, 1936.

No. 719.



JAMAICA

# WEATHER REPORT

FOR THE MONTH OF

JUNE, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-eup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure			Temperature.				Extreme Temperature.					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.	
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.915	29.894	81.6	83.3	86.3	77.1	9.2	88.5	3	73.6	9	14.9	
Kingston	24	29.879	29.859	78.0	84.0	86.5	74.0	12.5	90.2	28	70.1	13	20.1	
Negril Point Light House	33	29.880	29.873	79.3	83.8	86.4	74.1	12.3	89.1	30	71.0	17	18.1	
Castleton Gardens	496			71.9	80.5	86.2	70.9	15.3	92.0	28	68.0	30	24.0	
Hope Gardens†	668	29.922	29.878	74.8	80.9	84.9	71.6	13.3	91.0	30	70.0	30	21.0	
Boon Hall	970													
Hill Gardens	4,900	25.255	25.239	63.9	65.8	69.0	58.8	10.2	73.0	27	58.0	3	15.0	

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Win   per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
		°	%	°	%			ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	77	85	77	81	14.74	282	E	15.0	E	11.0	3.1	1.9	2.5	3.4	2.4	3.0
Kingston	24	73	86	75	75	13.80	233	ESE	7.8	SE	14.8	4.0	0.2	3.0	5.4	0.7	2.4
Negril Point Light House	33	75	87	77	80	7.84	181	W	5.8	ESE	10.0	2.3	1.6	4.9	3.7	3.5	2.0
Castleton Gardens	496	71	95	76	89	13.13	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	88	72	74	12.16	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	93	63	89	18.09	..	..	..	..	..	..	..	..	..	..	..

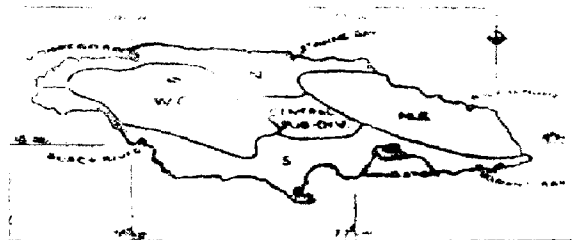
\* And on other days: | Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



June, 1936.

STATIONS.	June, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more f. l.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	26.52	3.62	16	29	6.76
Priestman's River	24.50	2.10	14	27	4.99
Bath	32.96	4.10	14	29	10.91
Barrett's Gap	34.70	3.85	14	26	..
Millbank	41.00	4.92	18	28	..
Moore Town	26.69	2.30	13	28	18.56
Port Antonio	29.40	3.85	10	24	14.32
Passley Garden	30.46	5.01	18	22	..
Fellowship	36.97	6.50	18	25	17.26
Johnson River Br.	27.19	2.90	14	26	11.52
Trinity Ville	30.17	3.80	11	23	..
Fruitful Vale	14.08	2.06	24	19	..
Hope Bay	16.50	5.50	18	23	..
Cedar Valley	38.68	5.40	11	24	11.22
Moy Hall	36.03	6.10	11	24	11.64
Paradise	10.12	2.00	18	19	..
Lennox	10.59	2.60	18	14	..
Greenvale	4.29	0.62	1	17	3.66
Darley	18.82	4.36	18	23	..
Spring Garden	7.46	2.00	18	15	3.92
Hill Gardens	18.09	3.10	1	18	6.73
Buff Bay	7.20	2.15	18	17	6.60
Orange Vale	2.19	1.10	21	6	..
Belvedere, Portland	3.07	0.97	13	12	1.98
Windsor Castle, do	7.00	0.66	30	17	5.00
Balcarras	7.30	1.04	20	16	..
Mt. Holstein	10.85	2.25	20	22	5.54
Cedar Hurst	9.25	1.24	1	20	..
Hardware Gap	14.35	2.14	1	21	6.58
Rose Hill	..	..	..	..	6.18
Mount Cressy	12.47	2.45	1	..	..

June, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Hermitage	12.08	1.87	12	21	...
Mount Airy	11.24	2.27	16	18	...
Stony Hill Ind. Sch	10.50	2.50	16	14	6.53
Boon Hall	12.58	2.55	16	22	...
Brandon Hill	13.86	1.90	15	19	...
Enfield	7.13	1.30	8	16	...
Agualta Vale	8.40	1.67	20	17	2.93
Castleton Gardens	13.13	2.08	16	19	8.82
Water Valley	9.49	1.82	20	17	3.74
Albany	8.18	1.35	3	20	3.01
Lawrence Tavern	12.23	2.45	6	17	6.27
Wey Hill	8.23	2.04	16	16	...
Richmond, St. Mary	12.65	2.84	16	19	4.69
Quebec, St. Mary	8.28	1.75	20	19	4.48
Above Rocks	9.90	1.40	6	14	...
Glengoffe	10.66	2.18	16	15	...
Carew Castle	9.27	1.52	16	16	8.51
Hampstead, St. Mary	8.24	2.58	13	17	3.57
Windsor Castle do.	9.78	1.58	19	16	...
Troja	11.70	3.50	20	16	...
Pear Tree Grove	11.22	4.90	20	10	...
Guy's Hill	9.95	1.93	20	18	5.74
Lucky Hill	9.59	2.97	20	21	3.66
Rio Hoe	9.21	1.78	10	10	7.47
Unity Valley	8.29	1.08	8	15	7.72
Moncague	7.97	1.86	8	17	7.39
Claremont	4.00	1.20	16	6	5.04
Averham Park	7.17	2.09	20	16	4.94
Albion	6.48	1.73	11	16	6.16
NORTHERN DIVISION (N).					
Port Maria	7.11	1.65	27	17	4.86
Wentworth	7.57	1.92	27	18	...
Oracabessa	9.66	2.10	27	15	...
Huddersfield	10.70	2.20	13	10	...
Ocho Rios	6.43	1.46	4	18	3.16
Rockfield	4.53	0.78	29	16	3.10
Liberty Hill	2.07	0.50	10	10	3.58
St. Ann's Bay	3.99	0.64	17	20	3.67
Richmond Estate	4.14	1.59	1	14	4.10
Runaway Bay	4.08	1.08	11	9	1.29
Knapdale	5.90	2.06	21	16	...
Alexandria	5.21	1.00	15	14	3.18
Bel-Air	5.05	1.25	16	13	...
Brown's Town	8.50	4.47	17	19	3.55
Wilton	5.48	1.95	16	15	...
Watt Town, St. Ann	4.37	1.35	22	15	3.86
Home Castle	7.60	2.15	1	8	3.60
Arcadia	6.18	1.50	25	18	3.70
Vale Royal	5.76	1.38	29	16	4.09
Harmony Hall	4.64	0.75	25	13	2.56
Duncans	4.49	1.48	25	8	...
Clark's Town	6.29	1.38	17	13	...
Falmouth	6.98	1.57	2	19	2.40
The Hague	10.12	1.50	2	20	...
Wales	10.35	1.30	20	20	...

June, 1936.						June, 1936.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	8.90	1.36	12	21	..	Mereworth	30.78	4.58	1	28	..
Barrett Hall	7.14	1.00	5	15	..	Mandeville	27.09	3.19	11	19	2.82
Success	3.71	0.64	17	16	2.19	Ulster Spring	7.47	1.30	17	17	6.31
Rose Hall	3.92	0.68	12	14	2.70	Greenvale	16.47	3.16	12	20	..
Cinnamon Hill	3.36	0.80	12	12	2.78	Albert Town	9.73	2.60	6	16	5.35
Tryall	5.32	1.25	12	17	5.08	Craig Head	9.26	2.68	7	11	..
Running Gut	4.39	1.06	12	13	2.86	Warsop	7.15	1.15	6	14	..
Spring Estate	5.84	1.10	12	17	2.63	Troy	11.61	2.92	8	11	8.13
Friendship	17.31	2.80	17	23	6.04	Wallingford	12.72	3.92	12	16	5.05
Retirement	21.46	4.44	17	22	6.82	Balacava	10.13	3.20	12	12	4.52
Rose Mount	12.51	1.90	20	23	..	Wakefield	8.32	1.55	2	11	..
Montego Bay	13.18	3.11	21	22	6.17	Maggotty	10.38	2.40	17	19	6.53
Anchovy	13.84	2.04	29	24	6.78	Lacovia	9.18	1.95	12	9	..
Hopewell	12.49	1.55	12	24	..	Mulgrave	10.18	1.74	12	22	..
Blue Hole	17.25	2.00	27	24	11.30	Holland	14.86	3.79	12	16	..
Cascade	24.90	4.60	5	25	..	Kempshot	12.72	3.37	17	24	8.57
Lucea	11.81	2.08	21	23	7.90	Mocho, St. James	11.18	2.00	12	21	..
Haughton Court	..	..	..	..	8.17	Bandon Pen	8.73	1.30	2	13	..
Kendal—Hanover	16.64	2.10	10	23	..	Catadupa	9.99	1.57	27	21	9.83
Cousins Cove	14.18	2.26	18	26	..	Cambridge, St. James	12.35	1.90	7	23	9.97
Green River	9.21	1.44	8	19	..	New Market	13.92	2.50	14	17	7.99
Green Island	9.62	1.72	29	17	11.93	Kew Park	10.85	1.23	12	23	9.21
Haughton Hall	8.26	1.10	12	21	..	The Bog	9.64	1.95	14	15	8.37
CENTRAL SUB-DIVISION.						Bethel Town Dist.	11.59	1.60	19	24	11.15
Knollis	12.23	2.00	14	17	..	Burnt Ground	..	..	..	..	10.07
Highgate (St. Cath.)	13.87	3.89	14	20	..	Haughton Grove	12.66	1.52	6	21	8.80
Rio Magno	8.58	1.56	20	17	..	Darlston	12.65	1.85	7	21	10.53
Riversdale	12.89	2.33	14	14	..	Bluefields	10.27	1.63	10	19	9.42
Headworks, R.C.C.	12.48	2.17	13	15	4.56	Whithorn	12.48	3.53	6	17	10.16
Bog Walk	11.01	1.76	1	12	..	Water Works Pen	9.13	1.80	6	16	8.87
Linstead	10.59	1.43	1	17	7.24	Williamsfield, Westld.	11.38	1.95	6	21	..
Ewarton	9.78	2.00	14	10	..	Bauk	8.10	1.80	8	16	..
Cave Valley	11.69	1.79	14	18	7.11	Askenish	14.82	1.25	19	19	15.10
Guanaboa Vale	16.07	2.75	1	15	..	Grange Hill	9.97	1.85	8	16	11.09
Point Hill	23.24	3.45	16	16	8.23	Mount Eagle	7.76	1.43	10	16	..
Brown's Hall	20.50	3.04	16	17	9.18	King's Vale	6.91	0.82	29	22	11.84
Bellas Gate	21.70	4.40	14	16	1.82	SOUTHERN DIVISION (S).					
Rock River	16.19	3.15	11	13	..	Morant Point L. H.	14.74	2.71	13	28	5.59
Crofts Hill	17.87	3.00	1	19	3.52	Golden Grove	17.71	2.80	13	25	..
Far Enough	18.30	4.00	16	21	..	Pleasant Hill	22.20	3.33	16	26	3.79
Suttons	17.80	3.36	11	20	..	East Prospect	21.76	3.33	16	26	6.38
Colonel's Ridge	20.94	5.69	16	21	..	Morant Bay	20.80	3.39	16	27	7.59
Chapelton	19.10	2.70	11	20	5.98	Aeolus Valley	24.11	3.05	1	24	..
Crooked River	21.22	3.20	16	19	..	Yallahs	18.28	2.10	16	18	..
James Hill	16.15	2.55	11	19	..	Easington	24.01	3.41	1	27	7.36
Frankfield	21.50	4.22	11	17	4.37	Llandewy	20.12	3.50	13	17	..
WEST-CENTRAL DIVISION (W.C.)						Mavis Bank	18.34	4.17	13	19	..
Mocho, Clarendon	19.73	3.90	11	15	6.25	Bull Bay	12.65	2.32	13	14	3.90
Smithville	26.49	4.47	10	18	..	Dallas Castle	16.95	3.61	13	23	..
Clarendon Park	21.88	3.56	11	15	..	Gordon Town	16.51	3.55	13	16	4.40
Porus	27.51	4.35	11	19	..	Irish Town	22.60	3.05	11	16	3.93
Borobridge	18.99	3.10	11	19	..	Hope Gardens	12.16	2.69	13	19	4.66
Spaldings	20.01	4.49	11	18	4.10	Waireka	..	..	..	..	..
Williamsfield	26.92	4.74	11	23	..	Ivor	7.43	1.84	13	19	..
Brokenhurst	29.09	4.12	1	22	9.92	Barbican	9.38	1.93	1	15	..
Shooters Hill	23.40	5.10	14	16	4.86	Plumb Point L. H.	21.85	5.00	12	15	3.85
Wait-a-bit	15.59	3.16	12	17	..	King's House Gar.	9.41	2.35	14	13	3.82
Christiana	13.46	3.19	11	19	5.96	Cavaliers	13.32	2.90	12	14	..
Holmwood	14.80	3.35	11	23	..	Upper Kingston	14.77	4.01	12	19	0.99
Clifton Hill	40.85	9.40	12	15	4.06	Parade Garden	14.79	5.00	12	19	..
Kendal, Manchester	20.99	4.16	11	18	7.05						

STATIONS.	June, 1936.					STATIONS.	June, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, Ins.						SOUTHERN DIVISION, Ins.					
<i>contd.</i>						<i>contd.</i>					
Kingston P.W.O.	13.80	4.40	12	18	3.53	Alligator Pond	18.05	3.69	12	18	3.65
Constant Spring	9.70	1.91	13	15	..	Fairfield	14.99	2.88	16	27	5.32
Halfway Tree	12.53	2.75	12	19	3.24	Myersville	11.46	3.02	12	13	..
Clifton Pen	16.78	5.00	12	17	3.43	Southfield, St. Eliz.	24.98	7.65	12	21	2.72
Seaward Pen	12.24	2.65	12	17	..	Windsor, St. Eliz.	14.75	4.26	12	14	..
Red Hills	14.55	7.65	12	10	..	Torrington	19.50	7.00	12	11	3.05
Quarantine Station	18.20	3.22	1	17	2.19	Santa Cruz	10.45	2.23	12	15	5.15
Hematine	13.16	1.87	1	16	2.41	Hounslow	12.40	3.20	12	10	..
Spanish Town	13.88	2.70	13	14	4.08	Pedro Plains	14.02	3.95	12	11	2.10
The Stewartry	12.62	2.18	11	15	..	Mountainside	11.26	4.26	12	9	2.04
Hog Hole, St. Cath.	14.02	2.36	1	19	4.43	Fort Charles	8.30	2.69	11	6	..
Old Harbour	17.95	4.49	1	14	5.30	Black River	11.00	2.76	12	14	3.58
May Pen	16.14	5.38	1	20	5.11	Font Hill	11.50	2.95	10	12	4.74
Glen Muir	13.75	5.00	1	15	..	Mount Edgecombe	7.15	1.87	10	14	6.11
Cottage	14.93	2.75	11	22	..	Sweet River	9.32	1.96	20	14	7.18
Belle Plain	23.22	5.14	11	17	..	Sav-la-Mar	7.54	2.07	10	11	6.61
Milk River	20.83	3.94	11	18	4.88	Little London	11.68	2.57	10	14	8.52
Retrieve	17.42	2.56	11	15	2.74	Retreat	9.25	1.91	10	13	7.39
Hog Hole, S. Man.	..	..	..	..	3.05	Negril Point L. H.	7.84	1.81	10	17	5.59
Stone's Hope	26.14	3.50	14	21	7.44						
Newport, Man.	23.04	4.18	1	22	6.99						

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	June.			
	Rainfall.		Rainy Days	
	1936. Ave.	1936. Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern	14.69	7.51	19	11
Northern	10.03	5.10	17	9
West-Central	14.72	8.57	18	13
Southern	15.65	4.93	17	8
The Island means	13.77	6.53	18	10

## SHOCKS OF EARTHQUAKE IN JUNE, 1936

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
20th	10.20 A.M.	I	Kingston

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—JUNE.

The mean monthly Rainfall was much above the average in all Divisions, especially in the Southern Division, which had over three times its normal.

Very heavy and continuous rains fell during the month, particularly in the first three weeks, and caused much damage to roads. These rains were general throughout the Island, but heaviest in Kingston, St. Andrew, St. Thomas, Portland, Manchester, Clarendon and St. Catherine.

The greatest total fall for the month was 41.00 inches at Millbank in the North-Eastern Division, and the heaviest fall in 24 hours was 7.65 inches at Southfield in the Southern Division on the 12th.

The mean number of rainy days was 18, the average being 10. Manchioneal and Bath in the North-Eastern Division had most rainy days—29 each.

The mean rainfall in each parish is given below compared with the 10-year average. St. Thomas, with 25.56 inches was highest. Manchester with 23.19 inches second, and Clarendon with 18.71 inches third. St. Ann with 6.11 inches was lowest.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year. Average.
	Ins.	Ins.		Ins.	Ins.
Kingston ..	16.30	2.42	St. James ..	9.74	6.85
St. Andrew ..	13.27	4.21	Hanover ..	13.23	10.83
St. Thomas ..	25.56	8.64	Westmoreland ..	9.80	8.58
Portland ..	16.39	8.19	St. Elizabeth ..	12.71	4.46
St. Mary ..	9.21	4.85	Manchester ..	23.19	6.62
St. Ann ..	6.11	4.67	Clarendon ..	18.71	5.31
Trelawny ..	8.19	5.41	St. Catherine ..	13.72	5.71

The total rainfall for the first half of the year is given below, compared with the 60-year average, and shows an excess of 17.44 inches.

	1936.	60-year Average.
	Inches.	Inches.
January ..	4.32	4.00
February ..	1.82	3.13
March ..	2.65	3.35
April ..	7.08	4.77
May ..	18.35	8.77
June ..	13.77	6.53
Total ..	47.99	30.55

## CITY OF KINGSTON.

The total rainfall for the month of June was 13.80 inches, as against the 60-year normal of 3.51 inches which represents nearly four times that of the normal. This excessive rainfall for June was exceeded only in the years 1886, 1901 and 1915. There were eighteen rainy days as against the 49-year average of three. The greatest fall in 24 hours was 4.40 ins. on the 12th.

The total rainfall for each month for the half-year is as follows:—

Month.	Actual.	Normal.	Month.	Actual	Normal.
	Ins.	Ins.		Ins.	Ins.
January ..	0.66	0.87	April ..	1.20	1.17
February ..	0.55	0.61	May ..	8.95	4.02
March ..	0.20	0.94	June ..	13.80	3.51

Shewing a total of 25.36 inches for the six months, as against the 60-year aggregate of 11.12 ins., or more than double that of the normal.

The upper boundary of Kingston gauged 14.77 inches, with 19 rainy days, for June.

Distant rain was observed to the northward on 14 days, to NE. on 7, to east on 7, to SE on 8, to south on 5, to SW on 3, to West on 4 and to NW on 5 days.

Distant lightning in the evening to the northward and to westward on one occasion. Distant thunderstorm to northward on 8 days, to east, SE, south and south-west on one day each. Local thunderstorm on the 10th, 12th, 13th, 14th and 16th (intense on the 16th).

The mean barometric pressure was 29.876 inches. The 33-year normal being 29.932 ins., shewing 0.056 inch below the normal. The highest barometer reading was 29.992 ins. on the 29th and 30th at 3 p.m., and the lowest was 29.774 ins. on the 16th at 7 a.m. (corrected for diurnal variation).

The mean monthly temperature, based upon four observations per day was 80.1°, the 33-year normal being 80.9°, or 0.8° below the normal. The highest maximum temperature was 90.2° on the 28th, and the lowest minimum was 70.1° on the 13th; on the other hand the lowest maximum was 78.1° on the 18th, and the highest minimum was 77.6° on the 16th. The greatest daily range was 17.4° on the 27th, and the least range was 5.5° on the 18th. The maximum was above 90° on two days, and the minimum was above 70° throughout.



The mean daily miles of wind registered was 233, and the 25-year normal gives 237, shewing 3% below the average. The greatest number of miles in 24 hours was 393 on the 12th, and the least was 90 on the 18th. South-easterly wind blew in the early morning on 9 days, and continued until after 7 p.m., on 15 evenings, then prevailing throughout the night three times. South-east rainsqualls noted on the 9th, 11th, 12th, 13th and 14th.

The mean relative humidity was 84%, the 33-year normal being 78%. Lowest 7 a.m. 68% on the 28th, and lowest 3 p.m. 57% on the 26th.

The sky was overcast in the early morning on 19 days, and in the afternoon on 24 days. Moderate haze prevailed upon several days at the close of the month.

The total amount of evaporation for June was only 4.86 ins. owing to excessive rainfall. The 10-year normal being 6.93 ins.

The mean daily number of sunshine hours was 4.3.

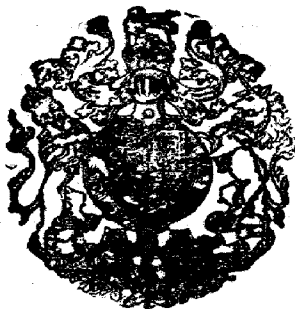
A slight shock of earthquake was felt on the 20th at 10.20 a.m.

#### CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of June, 1936, was 11.20 inches. Greatest fall in 24 hours 2.25 inches on the 11th, with 13 rainy days.

J. F. BRENNAN,  
Government Meteorologist

Kingston,  
July 20th, 1936.



# JAMAICA WEATHER REPORT

FOR THE MONTH OF

JULY, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 43° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.	
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.975	29.955	82.8	85.6	87.6	79.9	7.7	89.6	21	75.1	23	14.5	
Kingston	24	29.941	29.900	78.1	87.6	89.4	74.3	15.1	92.3	4	70.7	10	21.6	
Negril Point Light House	33	29.950	29.926	78.2	85.2	88.6	74.0	14.6	92.5	22	71.7	20	20.8	
Castleton Gardens	496			70.7	83.0	89.1	69.7	19.4	93.0	31	66.0	12	27.0	
Hope Gardens†	668	30.022	29.924	75.2	85.9	89.8	71.5	18.3	95.0	22*	69.0	28	26.0	
Boon Hall	970													
Hill Gardens	4,900	25.269	25.251	64.5	67.9	71.1	59.8	11.3	77.0	31	59.0	1	18.0	

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Win   per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.			7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mis.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point																		
Light House	8	77	81	77	75	1.75	342	E	17.0	ENE	15.0	1.3	2.4	1.9	1.4	2.8	2.1	
Kingston	24	71	78	73	62	0.97	244	E	6.3	SE	18.7	1.0	0.3	2.3	1.8	0.6	3.6	
Negril Point																		
Light House	33	72	82	76	74	3.40	137	NE	4.3	ESE	9.5	1.6	0.3	5.9	2.5	5.0	0.9	
Castleton																		
Gardens	496	69	95	78	85	8.36	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	70	83	65	65	2.18	..	..	..	..	..	..	..	..	..	..	..	
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	62	91	62	80	8.23	..	..	..	..	..	..	..	..	..	..	..	

\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



July, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	4.97	1.88	24	18	5.49
Priestman's River	4.30	1.40	6	9	5.64
Bath	6.40	0.95	6	15	7.93
Barrett's Gap	8.43	1.22	4	17	
Millbank	26.76	6.40	6	19	
Moore Town	28.68	4.00	6	24	16.27
Port Antonio	12.01	1.90	8	16	10.25
Passley Garden	14.15	6.02	24	14	
Fellowship	18.81	4.40	24	15	13.80
Johnson River Br.	7.56	1.45	6	10	6.63
Trinity Ville	9.11	1.85	8	12	
Fruitful Vale	20.37	8.00	6	13	
Hope Bay	12.20	4.35	24	15	
Cedar Valley	10.71	3.60	7	11	4.19
Moy Hall	10.31	3.15	7	12	5.16
Paradise	14.58	4.23	6	14	
Lennox	10.26	2.83	6	9	
Greenvale	11.11	2.34	27	12	3.57
Darley	13.57	6.22	24	14	
Spring Garden	7.13	1.70	6	9	3.95
Hill Gardens	8.23	2.85	7	9	3.36
Buff Bay	7.90	2.30	5	12	6.15
Orange Vale					
Belvedere, Portland	9.45	2.60	5	5	2.37
Windsor Castle, do.	6.19	2.05	5	5	3.89
Balcarras	11.01	3.73	22	8	
Mt. Holstein	8.20	2.86	22	9	4.72
Cedar Hurst	4.77	1.29	22	13	
Hardware Gap	3.85	1.26	7	10	3.90
Rose Hill	1.90	1.10	6	4	5.40
Mount Cressy	6.23	2.48	22		

STATIONS.	July, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Hermitage	2.08	0.65	23	12	
Mount Airy	3.26	1.21	22	10	
Stony Hill Ind. Sch.	1.74	0.70	23	6	4.87
Boon Hall	1.77	0.42	23	12	
Brandon Hill	4.90	2.00	23	6	
Enfield	10.33	2.27	4	10	
Agualta Vale	4.54	1.54	5	9	3.15
Castleton Gardens	8.36	1.80	22	13	5.86
Water Valley	4.43	1.55	6	6	3.13
Albany	5.37	1.35	6	8	3.63
Lawrence Tavern	2.73	0.75	23	9	5.09
Wev Hill	5.19	1.57	10	14	
Richmond, St. Mary	4.29	1.30	6	9	3.26
Quebec, St. Mary	4.91	0.97	6	9	3.42
Above Rocks	1.93	0.52	24	8	
Glengoffe	4.31	0.90	13	8	
Carew Castle	3.25	0.58	25	8	6.24
Hampstead, St. Mary	4.29	1.36	5	10	2.87
Windsor Castle do.	3.97	1.05	5	7	
Troja	2.41	0.82	10	4	
Pear Tree Grove	5.00	1.09	24	5	
Guy's Hill	4.88	1.08	25	15	3.83
Lucky Hill	2.96	1.05	5	6	2.85
Rio Hoe	2.99	0.66	26	9	4.09
Unity Valley	3.97	1.17	29	10	5.49
Moneague	2.17	0.41	5	10	4.51
Claremont	0.83	0.45	29	2	3.23
Averham Park	1.94	0.70	22	6	2.91
Albion	3.66	1.46	30	13	3.98
NORTHER DIVISION (N).					
Port Maria	4.65	1.10	3	9	3.84
Wentworth	4.76	1.00	22	9	
Oracabessa	3.95	1.17	8	5	
Huddersfield	1.74	0.89	10	3	
Ocho Rios	3.71	0.94	6	7	2.10
Rockfield	2.93	0.73	6	7	2.91
Liberty Hill	1.86	0.50	5	8	2.08
St. Ann's Bay	3.44	1.40	6	10	2.83
Richmond Estate	2.44	0.59	6	9	2.20
Runaway Bay	1.54	0.50	22	5	1.06
Knapdale	3.03	0.51	25	10	
Alexandria	1.60	0.51	15	6	2.86
Bel-Air	3.15	1.35	6	8	
Brown's Town	1.15	0.23	22	13	2.39
Wilton	1.98	1.10	6	11	
Watt Town, St. Ann	1.73	1.05	3	8	3.00
Home Castle					2.18
Arcadia	2.75	0.91	26	8	2.16
Vale Royal	2.66	1.08	26	8	2.64
Harmony Hall	3.66	1.45	22	10	1.45
Duncans	2.30	1.25	22	5	
Clark's Town	3.79	1.16	15	10	
Falmouth	2.61	1.03	22	8	1.46
The Hague	2.59	1.12	22	7	
Wales	0.90	0.50	7	2	

	July, 1936.						July, 1936.				
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>						WEST-CENTRAL DIVISION, <i>contd.</i>					
Adelphi	3.94	0.94	15	16	..	Mereworth	13.96	5.02	7	10	..
Barrett Hall	2.32	1.23	7	4	..	Mandeville	10.74	6.59	7	13	5.32
Success	1.32	0.38	17	6	1.30	Ulster Spring	4.03	1.30	7	8	5.35
Rose Hall	1.16	0.31	17	6	1.13	Greenvale	8.90	5.65	7	11	..
Cinnamon Hill	1.02	0.40	17	4	1.18	Albert Town	3.30	1.26	7	5	4.92
Tryall	1.00	0.30	22	4	3.54	Craig Head	4.13	3.50	7	2	..
Running Gut	1.05	0.40	17	5	1.24	Warsop	4.54	2.86	7	6	..
Spring Estate	0.84	0.26	17	4	1.44	Troy	6.04	3.14	7	4	6.94
Friendship	3.38	0.60	17	9	2.88	Wallingford	2.39	1.43	7	7	5.18
Retirement	4.44	0.75	24	11	4.01	Balaclava	2.75	1.41	7	5	4.60
Rose Mount	2.89	1.02	24	9	..	Wakefield	3.35	0.95	15	6	..
Montego Bay	3.71	1.53	24	8	3.21	Maggotty	3.74	1.59	13	10	8.35
Anchovy	6.72	1.65	2	16	4.49	Lacovia	1.55	0.94	7	2	..
Hopewell	4.44	1.20	17	10	..	Mulgrave	6.51	2.32	13	11	..
Blue Hole	5.70	1.65	2	10	5.85	Holland	..	..	..	..	..
Cascade	9.32	1.54	7	18	..	Kempshot	4.70	0.71	2	16	5.68
Lucea	7.38	1.43	17	15	4.93	Moch, St. James	..	..	..	..	..
Haughton Court	8.19	1.65	7	12	4.63	Bandon Pen	4.44	1.60	27	7	..
Kendal—Hanover	11.40	3.25	7	15	..	Catadupa	6.62	2.07	28	9	9.36
Cousins Cove	10.17	1.98	29	19	..	Cambridge, St. James	6.08	1.26	3	17	9.59
Green River	6.81	1.57	2	13	..	New Market	3.31	1.50	7	6	8.36
Green Island	11.75	2.02	29	14	8.59	Kew Park	9.09	1.99	21	13	9.85
Haughton Hall	8.35	1.71	17	15	..	The Bog	3.53	1.45	7	6	9.11
CENTRAL SUB-DIVISION.						Bethel Town D	7.13	1.44	21	16	14.74
Knollis	4.87	1.94	13	13	..	Burnt Ground	7.34	1.39	29	17	8.81
Highgate (St. Cath.)	2.37	0.69	7	11	..	Haughton Grove	..	..	..	..	8.47
Rio Magno	3.83	0.74	29	12	..	Darliston	7.87	1.45	7	18	11.42
Riversdale	8.83	2.85	13	13	..	Bluefields	3.75	1.00	13	10	9.32
Headworks, R.C.C.	0.61	0.32	7	2	2.99	Whithorn	9.46	1.92	21	13	10.12
Bog Walk	4.14	1.70	13	6	..	Water Works Pen	9.39	2.05	6	15	9.40
Linstead	5.34	1.95	13	11	5.88	Williamsfield, Westld.	10.27	3.05	13	20	..
Ewarton	0.00	..	..	0	..	Baulk	7.28	1.47	1	14	..
Cave Valley	2.81	1.00	17	4	4.54	Askenish	9.22	3.40	7	10	10.38
Guanaboa Vale	0.58	0.38	8	2	..	Grange Hill	5.33	2.15	7	9	11.11
Point Hill	2.51	0.62	7	5	6.17	Mount Eagle	5.31	1.87	7	10	..
Brown's Hall	1.86	1.06	8	4	5.20	King's Vale	2.11	0.68	7	11	9.82
Bellas Gate	1.35	1.00	8	2	1.30	SOUTHERN DIVISION (S.)					
Rock River	0.90	0.90	7	1	..	Morant Point L.H.	1.75	0.51	7	14	3.17
Crofts Hill	2.98	1.19	3	7	2.68	Golden Grove	..	..	..	..	..
Far Enough	2.98	0.90	7	10	..	Pleasant Hill	2.75	0.64	6	14	3.19
Suttons	1.69	0.95	7	3	..	East Prospect	3.09	0.80	17	15	4.30
Colonel's Ridge	2.26	0.70	8	6	..	Morant Bay	3.47	0.77	17	18	4.95
Chapelton	2.26	1.09	7	7	3.12	Aeolus Valley	..	..	..	..	..
Crooked River	2.72	1.31	7	6	..	Yallahs	3.34	0.80	6	9	..
James Hill	3.51	0.97	7	8	..	Easington	7.35	1.99	6	12	4.87
Frankfield	4.16	2.02	7	5	4.50	Llandewey	3.28	1.25	6	7	..
WEST-CENTRAL DIVISION (W.C.)						Mavis Bank	2.87	0.95	7	9	..
Moch, Clarendon	4.46	2.71	7	3	3.46	Bull Bay	2.28	0.63	23	6	1.68
Smithville	6.02	3.10	7	9	..	Dallas Castle	1.39	0.42	10	7	..
Clarendon Park	8.95	2.29	7	5	..	Gordon Town	3.24	1.90	23	6	2.33
Porus	6.33	3.80	7	6	..	Irish Town	2.02	0.80	23	5	1.73
Borobridge	4.49	2.55	7	7	..	Hope Gardens	2.18	0.91	23	9	2.50
Spaldings	5.05	2.70	7	6	3.79	Waireka	..	..	..	..	..
Williamsfield	8.26	4.96	7	12	..	Ivor	1.66	0.46	23	10	..
Brokenhurst	10.82	3.90	7	7	4.73	Barbican	1.36	0.45	23	5	..
Shooters Hill	7.77	4.90	7	7	4.88	Plumb Point L.H.	2.40	1.25	7	3	1.75
Wait-a-bit	4.90	2.80	6	7	..	King's House Gar.	1.22	0.33	23	5	2.37
Christiana	5.48	2.86	7	6	4.09	Cavaliers	0.94	0.35	8	5	..
Holmwood	4.87	3.18	7	8	..	Upper Kingston	1.08	0.53	8	6	1.58
Clifton Hill	12.75	9.55	7	5	4.97	Parade Garden	1.17	0.56	9	4	..
Kendal, Manchester	6.90	5.05	7	7	5.13	..	..	..	..	..	..

STATIONS.	July, 1936.					STATIONS.	July, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHER DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Kingston P.W.O.	0.97	0.44	8	4	1.53	Alligator Pond	5.57	2.35	7	6	2.01
Constant Spring	1.68	0.55	23	6		Fairfield	6.76	2.52	7	11	2.69
Halfway Tree	0.86	0.27	7	7	1.53	Myersville	3.34	2.65	7	3	
Clifton Pen	1.21	0.54	8	4	1.33	Southfield, St. Eliz.	5.31	3.22	7	5	1.88
Seaward Pen	0.41	0.33	7	2		Windsor, St. Eliz.	3.84	2.21	7	8	
Red Hills	1.19	0.75	21	4		Torrington	3.89	2.70	7	7	2.29
Quarantine Station					0.92	Santa Cruz	2.31	0.92	7	6	5.25
Hematine					1.14	Hounslow	3.35	2.35	7	4	
Spanish Town	0.38	0.38	7	1	1.90	Pedro Plains	2.56	1.96	7	3	1.52
The Stewartry	0.35	0.25	7	2		Mountainside	1.86	1.74	7	2	2.81
Hog Hole, St. Cath.	0.54	0.32	7	3	2.19	Fort Charles	1.93	1.24	17	3	
Old Harbour	0.81	0.47	8	3	1.99	Black River	1.05	0.75	7	4	4.52
May Pen	1.95	0.76	7	4	2.76	Font Hill	2.20	1.20	7	4	5.45
Glen Muir	2.80	1.50	6	2		Mount Edgecombe	2.15	0.48	7	8	6.82
Cottage	2.79	0.84	7	7		Sweet River	5.93	0.95	21	12	7.46
Belle Plain	5.26	2.30	7	4		Sav-la-Mar	3.70	1.90	17	7	6.10
Milk River	5.04	2.20	7	7	1.62	Little London	7.50	1.70	27	11	6.20
Retrieve	3.37	1.40	8	5	1.53	Retreat	4.02	1.02	28	7	7.43
Hog Hole, S. Man.					2.84	Negril Point L.H.	3.40	1.24	17	10	5.83
Stone's Hope	7.90	4.05	7	9	3.50						
Newport, Man.	7.92	3.75	7	6	3.28						

## SHOCKS OF EARTHQUAKE IN JULY, 1936

NOTES.					Date.	Standard Time. (Approx.)	* Intensity.	Notes, where, etc.
COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.					14th	4.46 A.M.	I	Moy Hall
DIVISIONAL AND ISLAND RAINFALL.	July.				14th	4.46 A.M.	I }	Albany
	Rainfall.		Rainy Days		14th	4.51 „	I }	
	1936.	Ave.	1936.	Ave.	„	4.46 „	I }	Plum Point Lighthouse
	Ins.	Ins.			„	4.51 „	I }	
North-Eastern	6.54	5.25	10	10	„	4.46 „	I }	Kingston
Northern	3.20	3.19	8	7	„	4.51 „	I }	
West-Central	6.21	7.56	9	13				
Southern	3.21	2.99	6	7				
The Island means	4.79	4.75	8	9				

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—JULY.

The mean monthly rainfall was slightly above the average in all Divisions except the West-Central, which was below normal.

The heaviest precipitation appears to have occurred in the first week, particularly on the 7th.

The greatest total fall for the month was 28.68 inches at Moore Town, in the North-Eastern Division, and the heaviest fall in 24 hours was 9.55 inches at Clifton Hill in the West-Central Division on the 7th.

The mean number of rainy days was 8, one less than the average. Moore Town, in the North-Eastern Division, had most rainy days—24.

No rain fell at Ewarton in the Central Sub-Division.

The mean rainfall in each parish is given below, compared with the 10 year average, Portland with 12.32 inches was highest, Manchester with 7.98 inches, and Hanover with 7.90 inches, were second and third respectively. Kingston, with 1.41 inches was lowest.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	1.41	3.02	St. James	3.27	4.80
St. Andrew	2.43	4.74	Hanover	7.90	7.84
St. Thomas	6.01	6.90	Westmoreland	6.18	8.93
Portland	12.32	9.21	St. Elizabeth	3.05	4.80
St. Mary	4.92	3.95	Manchester	7.98	5.70
St. Ann	2.47	3.35	Clarendon	3.72	5.07
Trelawny	3.39	3.86	St. Catherine	2.77	5.03

## CITY OF KINGSTON.

The total rainfall for the month of July was 0.97 of an inch, representing about two-thirds that of the 60-year normal of 1.54 inch. The greatest fall in 24 hours was 0.44 of an inch on the 8th. There were four rainy days, the average being five. The upper boundary of Kingston gauged 1.08 inch with five rainy days.

The number of days upon which distant rain was observed, is as follows: to the northward one, to the north-eastward two, to the east three, to south-east two and to the south, south-west and west one day each.

Distant lightning was seen to the north on two evenings, and was particularly vivid on the 24th, to the north-east on four evenings and to the west once. Distant thunderstorm to the north on three days, to the east and southeast once, to the north-west twice. Local thunderstorm on the 5th, intense, also to the north and north-north east, on the 22nd and 23rd, intense.

The mean barometric pressure was 29.932 inches, the 33-year normal being 29.960 inches, shewing 0.028 inch below the normal. The highest reading was 29.991 inches on the 17th at 3 p.m., and the lowest was 29.877 inches on the 7th at 7 a.m., corrected for diurnal variation.

Mean monthly temperature, based upon four observations per day, was 81.8°: the 33-year normal being 81.4°, shewing 0.4° above the average. The extreme maximum was 92.3° on the 4th, and the extreme minimum was 70.7° on the 10th, equivalent to an extreme monthly range of 21.6°. On the other hand the lowest maximum was 86.1° on the 8th, and the highest minimum 73.3° on the 16th. The maximum was 90° and above on thirteen days, and the minimum was above 70° throughout. The greatest daily range was 19.6° on 20th, and least 9.1° on the 7th.

The mean daily miles of wind registered was 244, as compared with the 25-year normal of 227, shewing 8% above the average. The greatest number of miles of wind recorded was 374 on the 16th, and the least 108 on the 22nd. South-easterly rainsqualls on the 6th, 8th and 17th. Early south-east wind on 9 occasions, and continued until after 7 p.m., on twenty-two occasions and throughout the night once.

The mean relative humidity was 74%; the 33-year normal being 76%. The lowest 7 a.m. was 63% on the 16th and the lowest 3 p.m. was 47% on the 4th.

Overcast conditions prevailed in the forenoon on nine occasions, and in the afternoon on seventeen occasions.

The total evaporation for the month of July was 8.27 inches: the 10-year normal being 7.87 inches. Mean daily number of sunshine hours, 7.7.

## EARTHQUAKE.

There was a moderate shock of earthquake on the 14th at about 4.46 a.m. It was felt at Kingston and surrounding country, followed by a slight shock, five minutes after. No damage occurred.

## WEATHER DISTURBANCES, JULY, 1936.

On the 22nd July, San Juan, Porto Rico, reported there was evidence of the existence of a tropical disturbance of moderate intensity and of small diameter, a short distance to the north of the Mona Passage, and probably moving north-westerly or north-northwesterly. This disturbance evidently continued in a course of a short distance, then shewed no further development, and was no longer identified after the 23rd July.

On the 27th July, a tropical disturbance of moderate intensity developed to the south-east of Andros Island, and moved in a course in the Bahama Group, then approached south-eastern Florida (U.S.A.) crossed over the extreme southern Florida, and entered the Gulf of Mexico moving about west-northwesterly, attaining hurricane intensity, estimated at 100 miles per hour. Reported damages relatively light.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of July was 8.83 inches. Greatest fall in 24 hours, 6.24 inches on the 10th. Total number of rainy days, 7.

J. F. BRENNAN,

Government Meteorologist.

August 20th, 1936.

Corrigenda Weather Report 718, May, 1936, page 5, ninth paragraph, 3rd line; delete "The pressure was lowest towards of an inch"—Also tenth paragraph, 5th line. Read the maximum was above (instead of below) 90° once.

No. 721.



JAMAICA

# WEATHER REPORT

FOR THE MONTH OF

AUGUST, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part *fracto-stratus*; the Middle (M) clouds *cumulus* and the Upper (U) clouds, *cirrus* and *cirro-stratus*.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.924	29.901	87.8	86.2	88.2	78.9	9.3	90.7	23	71.7	25
Kingston	24	29.891	29.861	76.8	85.8	88.7	73.7	15.0	91.0	9	69.7	27
Negril Point Light House	33	29.905	29.885	78.0	85.4	88.9	74.0	14.9	91.6	2	70.7	2
Castleton Gardens	496			70.4	81.2	87.6	69.4	18.2	92.0	8	67.0	9
Hope Gardens†	668	29.941	29.882	75.3	84.3	89.5	71.4	18.1	93.0	9	69.0	27
Boon Hall	970											
Hill Gardens	4,900	25.254	25.241	63.5	66.2	69.8	58.7	11.1	76.0	1	55.0	21

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.		7 a.m.		3 p.m.				
	ft.	°	%	°	%	ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point Light House	8	77	82	77	74	9.86	235	ENE	12.0	ENE	9.5	2.3	2.0	1.5	2.1	2.2	1.3	
Kingston	24	71	84	75	71	3.94	163	N	4.5	SE	14.3	1.3	0.2	2.5	4.1	2.0	2.5	
Negril Point Light House	33	74	86	77	77	4.91	123	NE	4.3	Var.	10.3	1.0	0.0	4.9	2.6	5.8	0.9	
Castleton Gardens	496	69	95	76	85	16.59	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	70	84	70	63	7.41	..	..	..	..	..	..	..	..	..	..	..	
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	61	90	62	86	11.23	..	..	..	..	..	..	..	..	..	..	..	

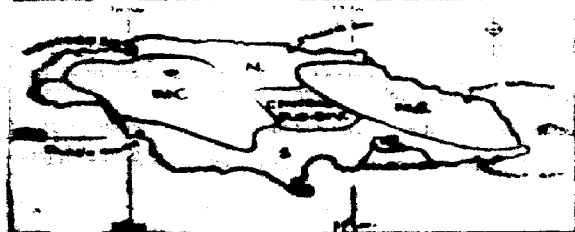
\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



August 1936.

		August 1936.				
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	
		Amount.	Date.			
NORTH-EASTERN DIVISION. (N.E.)						
	Ins.	Ins.			Ins.	
Manchioneal	22 24	8. 60	26	19	7.09	
Priestman's River	17 20	7. 20	26	10	8.00	
Bath	15. 50	3. 65	25	11	9.98	
Barrett's Gap	16. 40	3. 54	11	18		
Millbank	18. 42	3. 19	26	18		
Moore Town	15. 45	4. 15	11	14	15.77	
Port Antonio	14. 76	4. 76	26	15	11.62	
Passley Garden	14. 57	5. 07	26	14		
Fellowship	17. 63	6. 98	26	7	14.25	
Johnson River Br.	13. 48	3. 55	26	10	10.01	
Trinity Ville	14. 80	5. 75	26	9		
Fruitful Vale	8. 17	3. 04	11	8		
Hope Bay	8. 55	3. 52	26	8		
Cedar Valley	14. 18	5. 63	26	11	9.23	
Moy Hall	12. 16	4. 90	26	13	10.44	
Paradise	6. 89	3. 56	26	11		
Lennox	6. 13	4. 93	26	7		
Greenvale	5. 41	2. 09	24	11	5.80	
Darley	8. 79	5. 78	27	11		
Spring Garden	4. 27	2. 20	27	8	6.52	
Hill Gardens	11. 23	3. 11	26	13	7.80	
Buff Bay	3. 35	2. 20	26	9	5.87	
Belvedere, Portland	1. 79	1. 06	24	3	5.35	
Windsor Castle, do.	3. 30	1. 70	26	8	5.49	
Balcarres	4. 66	1. 80	26	8		
Mt. Holstein	6. 08	2. 60	24	9	7.02	
Cedar Hurst	10. 16	2. 10	3	19		
Hardware Gap	15. 28	3. 75	3	20	7.22	
Rose Hill	10. 02	2. 09	31	14	9.92	
Mount Cressy	11. 58	2. 65	17			

STATIONS.	August, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Hermitage	13.64	1.85	26	23	
Mount Airy	12.99	2.31	17	15	
Stony Hill Ind. Sch.	11.01	2.28	26	23	8.86
Boon Hall	12.50	2.55	24	25	
Brandon Hill	14.62	1.90	15	15	
Enfield	3.42	1.46	26	9	
Agualta Vale	0.83	0.33	21	5	4.28
Castleton Gardens	16.59	4.80	19	16	9.83
Water Valley	1.35	1.00	26	4	4.31
Albany	1.52	1.00	26	5	4.01
Lawrence Tavern	10.38	1.45	27	18	8.23
Wey Hill	7.51	1.43	15	16	
Richmond, St. Mary	3.82	1.15	18	5	5.05
Quebec, St. Mary	1.94	1.14	26	6	4.50
Above Rocks	17.15	2.09	29	20	
Glengoffe	9.51	2.36	30	10	
Carew Castle	15.70	1.98	25	16	10.06
Hampstead, St. Mary	1.93	1.00	26	6	4.39
Windsor Castle do.	8.46	3.25	18	9	
Troja	8.31	2.58	19	10	
Pear Tree Grove	4.95	2.00	11	6	
Guy's Hill	8.45	3.00	18	9	4.13
Lucky Hill	4.84	2.20	18	7	4.66
Rio Hoe	7.24	1.30	24	11	5.86
Unity Valley	7.27	2.42	19	13	6.60
Moneague	6.67	1.88	19	11	6.69
Claremont	4.75	1.30	11	9	5.08
Averham Park	3.93	1.45	26	7	4.59
Albion	5.66	1.62	25	12	6.01
NORTHERN DIVISION (N).					
Port Maria	2.12	1.00	26	8	4.94
Wentworth	1.98	1.30	26	7	
Oracabessa	2.80	1.50	26	3	
Huddersfield	2.08	1.05	27	4	
Ocho Rios	2.58	0.79	26	5	2.99
Rockfield	2.24	0.77	19	8	4.30
Liberty Hill	1.98	0.66	18	6	3.19
St. Ann's Bay	2.87	0.80	26	9	3.07
Richmond Estate	1.74	0.50	18	7	3.04
Runaway Bay	0.70	0.40	28	2	1.88
Knapdale	6.24	1.19	25	8	
Alexandria	7.52	2.45	25	7	3.86
Bel-Air	2.40	1.20	19	7	
Brown's Town	4.74	1.60	25	10	3.96
Wilton	1.31	0.62	26	6	
Watt Town, St. Ann	2.52	1.05	26	9	4.58
Home Castle	1.90	0.90	25	4	3.43
Arcadia	2.55	1.72	18	6	3.27
Vale Royal	1.58	0.76	18	8	4.58
Harmony Hall	0.91	0.38	17	3	2.35
Duncans	0.35	0.20	25	2	
Clark's Town	3.21	0.73	11	9	
Falmouth	1.23	0.34	25	6	2.45
The Hague	1.17	0.65	25	6	
Wales	2.20	1.60	25	4	



STATIONS.	August, 1936.					STATIONS.	August, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	3.21	1.63	18	5		Mereworth	6.28	1.20	25	18	
Barrett Hall	0.28	0.20	19	2		Mandeville	6.72	1.06	26	21	8.53
Success	0.99	0.36	19	5	2.11	Ulster Spring	12.21	1.80	22	16	8.54
Rose Hall	1.26	0.38	19	6	2.06	Greenvale	4.95	1.30	25	16	
Cinnamon Hill	1.49	0.57	19	7	2.19	Albert Town	10.80	2.24	30	21	9.25
Tryall	1.21	0.55	3	6	5.04	Craig Head	13.16	2.76	22	14	
Running Gut	0.92	0.32	19	5	2.43	Warsop	10.57	2.30	23	21	
Spring Estate	0.62	0.24	18	3	2.44	Troy	13.47	1.60	23	20	10.09
Friendship	5.72	2.15	18	8	5.63	Wallingford	25.01	2.90	24	19	10.33
Retirement	7.33	1.57	18	7	6.11	Balaclava	10.59	1.81	24	16	7.97
Rose Mount	4.53	2.03	13	8		Wakefield	3.50	1.00	10	6	
Montego Bay	5.33	1.55	13	10	5.12	Aberdeen	13.01	1.75	7	22	
Auchovy	5.10	1.00	19	16	6.55	Maggotty	15.30	2.25	20	20	11.21
Hopewell	4.39	0.80	5	14		Lacovia	10.48	1.92	23	14	
Blue Hole	3.50	1.00	19	10	7.20	Mulgrave	18.78	2.37	3	27	
Cascade	14.76	3.54	19	19		Holland	15.27	2.67	17	20	
Lucea	4.75	1.57	13	8	6.29	Ginger Hill	16.65	2.26	22	25	
Haughton Court	5.17	1.60	13	9	6.65	Kempshot	4.98	1.21	13	16	7.87
Kendal—Hanover	19.29	3.40	19	19		Mocho, St. James	16.18	2.05	14	23	
Cousins Cove	8.46	2.25	25	21		Bandon Pen	6.05	1.66	20	12	
Green River	11.92	3.00	11	15		Catadupa	12.37	1.50	15	24	13.41
Green Island	10.48	4.18	25	12	9.48	Cambridge,	9.05	1.15	20	19	11.05
Haughton Hall	9.99	2.34	25	16		New Market	13.39	2.10	22	18	13.12
CENTRAL SUB-DIVISION.						Kew Park	15.40	2.69	18	17	12.12
Knollis	10.82	1.73	31	19		The Bog	12.65	2.07	31	16	13.91
Highgate (St. Cath.)	17.56	2.23	29	25		Bethel Town D	12.39	1.95	18	23	14.10
Rio Magno	7.07	1.76	19	10		Burnt Ground	10.16	1.58	19	21	11.09
Riversdale	10.90	1.92	26	16		Haughton Grove					11.30
Headworks, R.C.C.	10.78	1.93	21	13	5.55	Darliston	17.11	2.50	20	24	15.00
Bog Walk	9.99	1.90	31	15		Bluefields	9.04	1.13	21	20	11.75
Linstead	7.85	1.92	26	16	8.62	Whithorn	15.64	1.90	12	22	11.74
Ewarton	6.18	1.65	25	14		Water Works Pen	17.46	4.00	20	21	12.72
Cave Valley	9.19	2.14	26	12	7.42	Williamsfield,	11.93	1.60	4	21	
Guanaboa Vale	8.02	1.52	23	9		Westld.					
Point Hill	12.25	1.96	25	16	10.25	Baulk	11.83	1.60	4	24	
Brown's Hall	13.47	1.50	25	18	7.88	Askenish	19.10	5.90	19	13	12.78
Bellas Gate	8.81	1.78	29	15	5.95	Grange Hill	10.97	1.80	4	22	13.06
Rock River	7.03	1.50	31	8		Mount Eagle	13.64	2.50	4	14	
Crofts Hill	8.88	1.50	11	15	7.71	King's Vale	4.91	1.21	19	16	10.61
Far Enough	8.83	1.59	20	19		SOUTHERN DIVISION (S.)					
Suttons	6.69	0.97	23	14		Morant Point L.H.	9.86	4.13	26	16	5.05
Colonel's Ridge	13.36	4.70	4	16		Golden Grove					
Chapelton	8.19	2.96	29	13	6.31	Pleasant Hill	13.90	3.14	26	16	6.87
Crooked River	7.95	2.40	4	19		East Prospect	10.97	3.10	25	20	6.69
James Hill	7.83	1.72	22	14		Morant Bay	11.35	4.18	26	12	6.43
Frankfield	10.00	1.61	25	15	7.82	Aeolus Valley					
WEST-CENTRAL DIVISION (W.C.)						Yallahs	7.43	3.46	26	4	
Mocho, Clarendon	9.51	2.20	4	16	6.79	Easington	9.11	3.18	26	12	6.67
Smithville	6.54	1.56	25	16		Llandewey					
Clarendon Park	6.80	2.31	25	13		Mavis Bank	8.42	3.52	26	13	
Porus	11.05	2.26	25	13		Bull Bay	4.58	3.19	26	4	2.54
Borobridge	5.91	1.60	25	13		Dallas Castle	10.54	4.50	26	14	
Spaldings	7.08	2.12	25	9	7.26	Gordon Town	9.30	4.36	26	11	5.09
Williamsfield	8.06	1.80	26	18		Irish Town	13.48	3.10	29	13	5.95
Brokenhurst	6.92	1.28	25	16	8.16	Hope Gardens	7.41	3.35	26	15	5.81
Shooters Hill	5.21	1.30	25	7	7.38	Waireka					
Wait-a-bit	14.75	1.58	10	17		Ivor	9.31	2.44	26	16	
Christiana	5.90	2.03	25	11	7.03	Barbican	7.59	2.90	27	18	
Helmwood	7.16	2.48	25	16		Plumb Point L.H.	6.00	3.30	26	5	3.47
Clifton Hill	9.83	3.20	24	11	8.46	King's House Gar.	5.68	3.38	26	9	4.90
ter	5.40	1.20	25	12	8.13	Cavaliers	4.32	2.60	26	16	
						Upper Kingston	4.24	2.46	26	9	4.83

STATIONS.	August, 1936.					STATIONS.	August, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
<b>SOUTHERN DIVISION,</b> <i>contd.</i>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION,</b> <i>contd.</i>	Ins.	Ins.			Ins.
Parade Garden	3.73	2.39	26	6		Alligator Pond	3.37	0.97	4	5	4.13
Kingston P.W.O.	3.94	2.27	26	8	3.60	Fairfield	3.72	0.91	26	13	6.16
Constant Spring	9.05	2.04	26	16		Pepper	5.63	2.00	21		
Halfway Tree	4.15	2.50	26	9	3.84	Myersville	4.41	1.84	25	9	
Clifton Pen	5.58	3.32	26	9	3.91	Goshen	10.34	2.14	17	15	
Seaward Pen						Southfield, St. Eliz.	7.34	2.39	4	11	6.29
Red Hills	9.58	2.86	4	11		Windsor, St. Eliz.	6.66	1.45	9	13	
Quarantine Station	1.98	1.30	27	5	2.56	Torrington	7.74	1.54	24	10	5.54
Hematine	5.33	2.93	25	6	3.66	Santa Cruz	8.41	1.73	2	16	9.25
Spanish Town	5.41	2.41	25	7	3.87	Hounslow	4.86	1.70	8	7	
The Stewartry	6.81	1.59	26	10		Pedro Plains	3.15	1.16	26	8	2.92
Hog Hole, St. Cath.	6.66	1.46	25	11	4.25	Mountainside	4.48	2.03	6	8	5.38
Old Harbour	3.63	0.89	24	6	4.71	Fort Charles	3.00	0.95	26	7	
May Pen	5.96	1.96	24	15	5.26	Black River	6.69	1.38	23	17	6.31
Glen Muir	5.30	1.80	24	7		Mt. Charles	4.71	0.57	23	20	
Cottage	3.45	1.04	26	8		Font Hill	7.05	1.05	6	13	6.27
Belle Plain	6.92	3.10	25	11		Mount Edgecombe	9.98	2.00	18	21	8.46
Milk River	4.10	1.15	25	9	4.26	Sweet River	9.17	1.90	20	19	9.16
Retrieve	3.13	0.83	24	5	4.06	Sav.-la-Mar	8.02	1.50	4	12	7.86
Hog Hole, S. Man.					7.17	Little London	13.80	3.20	20	11	6.66
Stone's Hope	6.71	2.41	4	11	6.48	Retreat	7.97	1.83	12	13	8.42
Newport, Man.	7.40	1.85	4	14	7.35	Negril Point L.H.	4.91	1.57	19	12	6.50

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	August.			
	Rainfall.		Rainy Days	
	1936.	Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern	8.81	7.41	12	11
Northern	4.75	4.89	10	9
West-Central	11.33	10.17	17	15
Southern	6.89	5.27	11	10
The Island means	7.95	6.93	12	11

## SHOCKS OF EARTHQUAKE IN JULY AND AUGUST, 1936

Date.	Standard Time. (Approx.)	Intensity	Notes, where, etc.
July, 1936.			
14th	4.46 and 4.51 a.m.	I	Port Royal, Hagley Gap, Constitution Hill, Harker's Hall, Bog Walk, Guanaboa Vale, Moneague, Annotto Bay. (These are in addition to places given in the July Weather Report.)
August, 1936.			
16th	8.55 p.m.	I	Mount Cressy, Barbican.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—AUGUST.

The mean rainfall was above the average in all Divisions except the Northern, which was slightly below normal.

The heaviest precipitation took place in the latter half of the month, particularly, on the 26th, but generally the rainfall was well distributed, as the mean number of rainy days was 12, the average for the month being 11. Mulgrave in the West-Central Division had most rainy days—27.

The greatest total fall for the month was 25.01 inches at Wallingford in the West-Central Division and the heaviest fall in 24 hours was 8.60 inches on the 26th at Manchioneal in the North-Eastern Division.

The mean rainfall in each parish is given below, compared with the 10-year average. St. Thomas with 12.43 inches was highest, Westmoreland with 11.88 inches and St. Elizabeth with 9.92 inches were second and third respectively, and St. Mary with 4.08 inches was lowest.

Parish.	1936.	10-year.	Parish.	1936.	10 year
	Inches.	Average.		Inches.	Average.
Kingston	4.48	5.61	St. James	4.81	6.11
St. Andrew	9.59	7.25	Hanover	9.84	8.67
St. Thomas	12.43	8.24	Westmoreland	11.88	9.91
Portland	9.89	10.48	St. Elizabeth	9.92	7.00
St. Mary	4.08	6.38	Manchester	6.36	8.23
St. Ann	4.17	4.87	Clarendon	7.67	6.81
Trelawny	5.61	5.36	St. Catherine	8.72	7.46

## CITY OF KINGSTON.

The total rainfall for the month of August was 3.94 inches, as against the 60-year normal of 3.60 inches, shewing 0.34 inch in excess. There were eight rainy days, as compared with the 49-year average of nine. The upper boundary of Kingston gauged 4.24 inches, with nine rainy days.

Distant rain was observed to the northward on eleven days, to the north-eastward on five days; to the eastward on three days; to the south-west on one day and to the north-westward on four days.

Distant lightning seen to the northward four times; to the north-eastward six (vivid on the 12th), to the eastward on two evenings. Distant thunderstorm to northward eight occasions; to the north-eastward once; to eastward once; to the southeast twice; to the south, southwest and west once each, to the northwest four times. Local thunderstorm on the 4th, 26th and 29th; intense on the 26th from 10 p.m. to midnight.

The mean barometric pressure was 29.892 inches; the 33-year normal being 29.929 ins., shewing 0.037 inch below the normal. The highest barometer reading was 29.974 ins. on the 4th at 3 p.m. and the lowest was 29.772 inches. on the 24th at 3 a.m., corrected for diurnal variation.

The monthly mean temperature was 80.7°, the 33 year normal being 81.0°, shewing 0.3° below the normal. The highest maximum temperature was 91.0° on the 9th, and the lowest minimum temperature was 69.7° on the 27th. On the other hand the lowest maximum was 82.2° on the 1st and 25th, and the highest minimum was 75.8° on the 11th. The greatest daily range was 17.7° on the 9th and the least range was 7.1° on the 25th. The extreme range for the month was 21.3°. The maximum was 90° or above nine times, and the minimum was below 70° once.

The mean daily miles of wind registered was 163 whereas the 25-year normal gives 193, shewing 16% below the normal. The greatest number of miles in 24 hours was 234 on the 11th and the least was 110 on the 2nd. There were south-easterly squalls on the 18th and 26th.

The mean relative humidity was 81%; the normal for 33 years being 79%. The lowest 7 a.m. was 74% on the 3rd, and the lowest 8 p.m. was 60% on the 12th.

The sky was overcast in the early morning on eleven occasions, and in the afternoon on twenty-five.

Total amount of evaporation for August was 5.53 ins., the 10-year average being 7.87 ins. The surface wind for the month was much below the normal.

The mean daily number of sunshine hours was 7.0.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman. Total rainfall for the month of August, 1936, was 8.89 inches. Greatest fall in 24 hours was 2.30 inches on the 26th with 11 rainy days.

## TROPICAL WEATHER DISTURBANCES, AUGUST, 1936.

There were three weather disturbances located in the Gulf of Mexico during August.

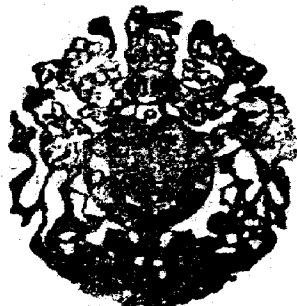
On the 12th of August, Washington radio broadcast reported the existence of a tropical disturbance, apparently a short distance off the north-east coast of Mexico, at 7 a.m. moving SSW or SW, attended by fresh shifting winds and squalls over a small area near to the centre, with indications that the disturbance would move inland to the north of Tampico, Mexico, during the afternoon of the 12th.

On the 17th Washington radio broadcast reported that a tropical disturbance of moderate intensity was located central at 7 a.m. about 225 miles to the ESE of Brownsville (extreme south Texas, U.S.A.) moving west-north-westward about ten miles per hour, attended by fresh shifting winds and squalls over a considerable area and strong wind over a small area near to the centre; and indications were that the centre of disturbance would move inland, near to Brownsville late on the 17th or early on the 18th, and that winds would begin to increase in lower Texas coastline from Galveston southward.

On the 29th of August a warning was issued from Washington, that a tropical disturbance of moderate intensity, was located at 9 a.m. about 200 miles to ENE of Vera Cruz, Mexico, then on the 30th, that centre had moved or was moving inland about 30 or 40 miles to the south of Tuxpan, Mexico.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
September 20th, 1936.



JAMAICA

## WEATHER REPORT

FOR THE MONTH OF

SEPTEMBER, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-sip instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.919	29.889	82.6	86.6	88.8	77.9	10.9	90.3	2	71.3	29	19.0
Kingston	24	29.895	29.861	74.9	84.9	88.8	72.4	16.4	90.5	22	69.4	23	21.1
Negril Point Light House	33	29.903	29.877	76.6	85.0	88.3	73.0	15.3	90.1	7	70.5	20	19.6
Castleton Gardens	496			69.5	81.5	87.1	68.5	18.6	89.0	9	66.0	5	23.0
Hope Gardens†	668	29.943	29.882	73.2	83.5	88.6	69.7	18.9	92.0	23	68.0	2	24.0
Boon Hall	970												
Hill Gardens	4,900	25.251	25.243	64.0	67.0	70.5	58.0	12.5	72.0	23	56.0	2	16.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.			3 p.m.				
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	77	80	77	72	4.25	213	ENE	10.0	ENE	8.0	1.5	2.7	1.5	0.7	2.6	2.1
Kingston	24	71	85	74	72	0.57	151	N	3.9	SE	11.1	1.2	0.2	2.3	6.0	0.7	1.3
Negril Point Light House	33	73	89	77	78	5.71	109	ENE	3.9	Var.	9.2	0.7	0.3	5.2	1.6	6.7	0.5
Castleton Gardens	496	67	95	77	86	15.48	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	68	82	72	72	10.40	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970						..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	91	62	84	11.80	..	..	..	..	..	..	..	..	..	..	..

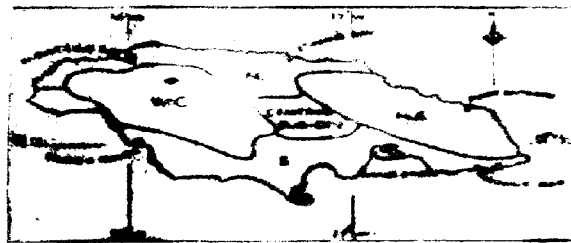
\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Division.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



September, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	6.50	1.52	10	23	9.68
Priestman's River	6.60	1.00	9	10	10.33
Bath	6.84	1.80	15	10	12.17
Barrett's Gap	9.01	2.85	15	15	..
Millbank	5.72	3.72	6	14	..
Comfort Castle	..	..	..	..	..
Moore Town	13.33	2.50	5	18	14.81
Port Antonio	..	..	..	..	10.38
Passley Garden	6.54	1.59	22	15	..
Fellowship	6.35	1.75	15	7	12.57
Johnson River Br.	3.07	0.90	6	5	10.94
Trinity Ville	3.88	1.60	26	6	..
Fruitful Vale	8.11	2.37	15	10	..
Hope Bay	5.51	1.03	13	9	..
Cedar Valley	6.97	2.18	4	12	12.17
Moy Hall	8.03	2.50	4	14	11.42
Paradise	10.77	3.03	6	12	..
Lennox	7.30	2.90	14	10	..
Greenvale	3.73	1.18	6	12	8.51
Darley	6.39	1.55	6	11	..
Spring Garden	7.60	1.10	14	10	8.57
Hill Gardens	11.80	3.13	28	14	9.42
Buff Bay	7.15	1.10	6	13	5.07
Buff Bay R. Est.	7.00	3.00	21	12	..
Belvedere, Portland	4.08	1.64	26	5	1.19
Windsor Castle, do.	3.37	1.15	6	6	5.48
Balcarras	12.01	3.11	15	11	..
Mt. Holstein	10.65	2.55	20	10	10.13
Cedar Hurst	13.66	2.44	15	18	..
Hardware Gap	12.84	1.75	27	20	10.70
Rose Hill	10.59	1.48	2	19	13.48
Mount Cressy	18.34	2.50	17	..	..

STATIONS.	September, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
	Ins.	Ins.			Ins.
Hermitage	14.35	1.89	25	24	..
Mount Airy	16.64	2.06	6	19	..
Stony Hill Ind. Sch.	13.43	2.29	4	21	10.05
Boon Hall	11.91	2.08	4	25	..
Brandon Hill	12.24	2.44	25	23	..
Enfield	8.37	1.98	16	12	..
Agualta Vale	3.19	1.13	6	8	4.94
Castleton Gardens	15.48	5.60	10	15	11.76
Water Valley	1.62	0.75	6	6	4.82
Albany	4.00	1.29	6	13	4.18
Lawrence Tavern	10.63	1.70	1	16	9.87
Wey Hill	5.11	1.55	10	14	..
Richmond, St. Mary	5.06	1.92	18	8	6.11
Quebec, St. Mary	3.97	1.20	6	10	4.45
Above Rocks	16.49	2.60	1	19	..
Glengoffe	11.82	3.20	25	13	..
Carw Castle	12.86	2.09	21	16	11.19
Hampstead, St. Mary	3.84	1.02	6	16	6.24
Windsor Castle do.	3.98	1.30	10	7	..
Troja	5.00	1.96	10	5	..
Pear Tree Grove	7.92	3.59	10	7	..
Guy's Hill	3.20	1.00	10	9	7.37
Lucky Hill	4.37	1.27	18	9	6.14
Rio Hoe	4.38	1.17	30	9	6.36
Unity Valley	6.89	1.46	30	14	8.17
Moneague	6.28	1.39	21	13	7.55
Claremont	6.42	1.74	10	9	6.38
Averham Park	6.43	1.40	19	13	5.60
Albion	6.99	2.79	10	12	7.48
NORTHERN DIVISION (N).					
Port Maria	3.88	1.05	6	10	4.13
Wentworth	3.47	0.95	6	12	..
Oracabessa	3.18	1.00	5	7	..
Huddersfield	4.75	1.35	24	5	..
Ocho Rios	3.53	1.43	21	7	3.64
Rockfield	4.41	0.94	21	11	5.21
Liberty Hill	3.12	1.10	20	9	3.90
St. Ann's Bay	3.11	1.32	21	11	3.51
Richmond Estate	2.15	0.54	9	8	3.74
Runaway Bay	1.90	1.40	16	3	2.61
Knapdale	8.35	1.69	10	11	..
Alexandria	6.17	1.25	18	10	7.12
Bel-Air	2.55	1.70	16	4	..
Brown's Town	7.08	3.98	10	15	5.71
Wilton	3.07	0.87	16	11	..
Watt Town, St. Ann	4.64	1.12	22	13	6.89
Home Castle	5.70	3.85	10	6	5.18
Areadia	1.82	0.53	10	7	4.71
Vale Royal	1.67	0.75	16	10	4.72
Harmony Hall	..	..	..	..	3.63
Duncans	0.29	0.20	16	2	..
Clark's Town	2.69	1.44	18	10	..
Falmouth	0.99	0.36	16	3	3.41
The Hague	2.43	0.65	21	8	..
Wales	6.05	2.30	10	8	..

	September, 1936.						September, 1936.				
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	5.95	1.88	10	12		Mereworth	8.78	1.50	11	17	
Barrett Hall	4.19	1.20	10	6		Mandeville	5.58	1.15	6	20	10.05
Success	4.77	2.40	14	6	3.55	Ulster Spring	6.76	2.00	15	14	10.17
Rose Hall	5.69	2.70	14	7	3.46	Greenvale	10.93	1.64	4	20	
Cinnamon Hill	5.40	2.50	14	7	3.89	Albert Town	5.45	1.88	15	19	10.87
Tryall	5.70	1.85	14	8	5.12	Craig Head	12.70	2.24	27	11	
Running Gut	5.57	2.12	14	6	3.68	Warsop	10.14	2.80	29	23	
Spring Estate	6.20	2.15	14	8	3.58	Troy	16.19	2.90	9	18	13.70
Friendship	8.18	1.08	16	16	8.34	Wallingford	14.16	2.73	5	24	12.37
Retirement	9.50	1.10	16	17	9.37	Balaclava	9.53	1.90	5	20	11.00
Rose Mount	5.60	0.72	19	16		Braes River	11.87	3.49	15	21	
Montego Bay	5.79	0.90	20	15	6.58	Wakefield	7.10	1.45	21	8	
Anchovy	12.77	2.32	25	17	6.98	Aberdeen	13.04	2.00	28	23	
Hopewell	7.10	2.20	21	13		Maggotty	9.79	2.87	12	19	11.82
Blue Hole	6.86	3.20	21	11	10.09	Lacovia	4.66	1.30	5	10	
Cascade	12.41	2.10	15	19		Mulgrave	10.69	1.60	12	25	
Lucea	2.63	0.82	21	11	8.16	Holland					
Haughton Court	1.92	0.44	21	8	7.16	Ipswich	11.34	2.04	20	21	
Kendal—Hanover	12.05	1.70	18	18		Ginger Hill	9.71	1.55	28	25	
Cousins Cove	5.61	1.66	6	21		Kempshot	9.90	1.54	20	17	9.10
Green River	6.81	1.60	12	15		Mcho, St. James					
Green Island	9.15	1.65	6	13	10.37	Bandon Pen	13.11	2.56	16	13	
Haughton Hall	7.00	1.00	6	16		Catadupa	15.42	2.11	29	18	14.69
CENTRAL SUB-DIVISION.						Cambridge	9.33	1.75	21	18	12.29
Knollis	8.94	1.50	8	14		New Market	7.85	1.50	16	15	11.81
Highgate (St. Cath.)	11.73	2.27	3	19		Kew Park	9.88	1.40	28	18	12.38
Rio Magno	3.22	0.70	18	7		The Bog	10.35	1.14	24	22	12.72
Riversdale	6.67	1.50	16	11		Bethel Town D	8.85	1.60	25	20	15.76
Headworks, R.C.C.	8.67	2.74	5	12	6.24	Burnt Ground	15.21	2.75	25	20	13.30
Bog Walk	9.47	1.95	8	13		Haughton Grove					12.38
Linstead	7.30	1.15	17	12	7.48	Darliston	14.16	1.70	29	21	14.56
Ewarton	3.41	1.10	20	11		Bluefields	10.67	2.45	17	19	10.83
Cave Valley	9.15	1.35	9	14	7.87	Whithorn	11.98	1.60	25	19	11.20
Guanaboa Vale	7.08	3.45	5	10		Water Works Pen	15.14	2.75	16	20	11.01
Point Hill	5.21	1.32	8	8	10.89	Williamsfield	19.40	5.00	25	22	
Brown's Hall	6.00	1.41	9	8	9.81	Westld.					
Bellas Gate	2.26	0.92	9	7	5.71	Baulk	9.73	1.65	25	18	
Rock River	13.27	1.94	15	13		Askenish	11.40	2.90	18	15	12.07
Crofts Hill	19.35	2.93	9	13	7.67	Grange Hill	13.23	2.85	20	19	11.75
Far Enough	11.11	3.29	15	18		Mount Eagle	7.00	1.50	19	11	
Suttons	10.84	1.64	12	16		King's Vale	2.81	0.47	18	13	10.85
Colonel's Ridge	5.97	1.12	1	16		SOUTHERN DIVISION (S.)					
Chapelton	7.93	2.06	12	12	7.86	Morant Point L.H.	4.25	1.13	14	20	6.94
Crooked River	7.44	1.43	1	20		Golden Grove					
James Hill	6.10	1.10	8	14		Pleasant Hill	3.92	0.92	30	15	8.44
Frankfield	10.60	2.45	8	14	7.17	East Prospect	3.03	1.06	5	17	8.37
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	3.43	0.65	26	10	8.00
Mcho, Clarendon	6.57	2.00	6	14	9.10	Aeolus Valley	2.93	1.06	5	9	
Smithville	8.37	2.30	8	17		Yallahs	5.73	2.65	6	5	
Clarendon Park	6.98	1.61	5	13		Easington	3.01	1.17	6	6	8.18
Porus	3.85	1.61	5	5		Llandewey					
Borobridge	4.65	1.35	1	13		Mavis Bank	4.59	0.86	27	14	
Spaldings	6.80	1.90	1	14	7.97	Mavis Bank Factory	3.35	1.37	27	8	
Williamsfield	6.14	1.11	1	17		Bull Bay	1.10	0.61	6	3	4.10
Brokenhurst	6.64	1.67	11	10	9.91	Dallas Castle	10.22	3.09	1	11	
Shooters Hill	4.40	0.90	27	11	9.14	Gordon Town	7.75	2.86	15	13	7.84
Wait-a-bit	14.74	2.00	28	19		Irish Town	14.12	3.80	15	18	8.35
Christiana	6.56	1.13	29	19	9.17	Hope Gardens	10.40	2.87	15	15	6.94
Helmwood	9.69	1.70	1	20		Waireka					
Clifton Hill	4.40	2.55	5	5	11.43	Ivor	9.43			19	
Kendal, Manchester	4.07	0.77	6	13	9.60	Barbican	8.96	2.56	4	11	
						Plumb Point L.H.	3.04	1.15	3	5	4.30

STATIONS.	September, 1936.					STATIONS.	September, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar. . .	5.61	1.45	3	11	5.32	Stone's Hope . .	6.84	1.27	8	12	8.67
Cavaliers . .	1.42	0.68	1	8		Newport, Man. . .	6.48	0.96	11	15	8.20
Upper Kingston . .	1.38	0.31	5	8	4.33	Alligator Pond . .	4.43	2.70	11	5	5.48
Parade Garden . .	1.20	0.70	1	4		Fairfield . .	8.44	1.48	13	25	7.94
Kingston P.W.O. . .	0.57	0.31	1	4	3.87	Pepper . .	13.80	2.00	25	15	
Constant Spring . .	13.05	1.55	1	21		Myersville . .	10.02	1.83	5	17	
Halfway Tree . .	3.54	0.97	3	9	4.72	Goshen . .	17.83	2.76	1	17	
Clifton Pen . .	1.22	0.54	4	7	4.24	Southfield, St. Eliz.	3.53	0.71	11	11	7.80
Seaward Pen . .	4.13	2.18	5	6		Windsor, St. Eliz.	6.08	1.27	27	21	
Red Hills . .	8.36	2.36	4	12		Torrington . .	5.91	1.93	5	14	6.49
Quarantine Station . .	0.52	1.40	7	3	2.98	Santa Cruz . .	10.89	1.82	5	17	9.66
Hematine . .	0.93	0.35	8	5	4.89	Hounslow . .	3.53	1.48	5	5	
Spanish Town . .	2.59	1.63	8	7	4.94	Pedro Plains . .	4.85	2.57	5	6	4.07
The Stewartry . .	7.68	3.66	8	9		Mountainside . .	5.06	0.92	1	11	4.66
Hog Hole, St. Cath. . .	8.43	4.25	8	9	5.69	Fort Charles . .	2.18	0.79	30	6	
Clairmount . .	6.22	1.75	5	9		Black River . .	7.13	1.42	1	17	5.43
Old Harbour . .	4.64	1.24	21	11	6.01	Mt. Charles . .	3.31	0.63	15	20	
May Pen . .	3.23	0.48	18	14	7.04	Font Hill . .	9.05	1.35	3	14	6.66
Glen Muir . .	3.40	1.10	6	6		Mount Edgecombe . .	6.38	1.40	17	18	8.25
Cottage . .	2.62	0.62	5	7		Sweet River . .	9.30	2.07	7	20	8.11
Belle Plain . .	6.69	1.76	5	12		Sav-la-Mar . .	10.22	2.05	8	13	7.08
Milk River . .	2.75	0.56	27	8	7.27	Little London . .	11.40	3.30	8	12	9.25
Retrieve . .	1.87	0.50	5	4	7.42	Retreat . .	9.69	2.52	8	14	7.72
Hog Hole, S. Man. . .					9.45	Negril Point L.H. . .	5.71	1.21	20	15	6.71

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	September.			
	Rainfall.		Rainy Days	
	1936.	Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern . .	7.10	8.48	13	13
Northern . .	5.79	5.89	11	10
West-Central . .	9.21	10.99	17	16
Southern . .	5.42	6.42	11	11
The Island means	6.88	7.94	13	13

## SHOCKS OF EARTHQUAKE IN SEPTEMBER, 1936.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None reported.	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND--SEPTEMBER.

The mean monthly rainfall was below the average in all Divisions.

The greatest total fall for the month was 19.40 inches at Williamsfield, Westmoreland, in the West-Central Division, and the heaviest fall in 24 hours was 5.60 inches at Castleton Gardens in the North-Eastern Division on the 10th.

The rainfall was well distributed, the mean number of rainy days being 13, which is the average for the month. The greatest number of rainy days was 25 at Castleton, Mulgrave, Holland and Fairfield.

The mean rainfall in each parish is given below compared with the 10-year average—Westmoreland with 10.76 inches was highest, St. Andrew with 9.74 inches and St. Elizabeth with 8.58 inches were second and third respectively, and Kingston with 1.55 inches was lowest.

Parish.	1936.	10-year Average.	Parish	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	1.55	3.88	St. James ..	7.83	6.31
St. Andrew ..	9.74	8.42	Hanover ..	7.15	8.84
St. Thomas ..	4.93	9.59	Westmoreland ..	10.76	9.62
Portland ..	7.65	18.90	St. Elizabeth ..	8.58	7.84
St. Mary ..	4.95	6.40	Manchester ..	6.19	9.28
St. Ann ..	5.12	5.59	Clarendon ..	7.87	7.38
Trelawny ..	6.19	6.26	St. Catherine ..	6.45	6.70

The total rainfall for the Island for the 9 months is given below compared with the 60-year average, and shows an excess of 17.44 inches.

Month.	1936.	60-year Average.
	Inches.	Inches.
January ..	4.32	4.00
February ..	1.82	3.13
March ..	2.65	3.35
April ..	7.08	4.77
May ..	18.35	8.77
June ..	13.77	6.53
July ..	4.79	4.75
August ..	7.95	6.93
September ..	6.88	7.94
Total	67.61	50.17

### CITY OF KINGSTON.

The total rainfall for the month of September was 0.57 of an inch, representing only about one-sixth of the 60-year average of 3.87 inches. The greatest fall in 24 hours was 0.31 inch on the 1st. There were 4 rainy days, as compared with the 49-year average of 9.5. The upper boundary of Kingston gauged 1.38 of an inch, with 8 rainy days.

The number of days upon which distant rain was observed are as follows: to the northward on 20 days, to the NE 6, to the east 2, to SE 2, to west 1 and to northwest 4.

Distant lightning was seen, in the evenings, to the northeast on 3 occasions, and to the west once. Distant thunderstorm to northward on 18 occasions, to the NE and east once, to the southeast 2, to the south once, to west 2 and to northwest 3. Local thunderstorm on the 1st, 3rd, 4th, (intense) 10th, 12th, 15th, 25th, and 30th.

The mean barometric pressure was 29.888 inches: the 33-year normal being 29.889 ins., shewing only 0.001 inch difference. The highest reading was 29.959 ins. on the 26th at 3 p.m., and the lowest was 29.823 ins. on the 16th at 7 a.m., corrected for diurnal variation.

Mean monthly temperatures, based upon four observations per day, was 79.7°; the 33-year normal being 80.6° or 0.9° below the normal. The extreme maximum was 90.5° on the 22nd, and the extreme minimum was 69.4° on the 23rd, equivalent to an extreme monthly range of 21.1°. On the other hand the lowest maximum was 87.4° on the 19th, and the highest minimum was 74.5° on the 25th. The maximum was above 90° on three days, and the minimum was below 70° twice. The greatest daily range was 20.3° on the 23rd, and the least range 14.9° on the 6th.

The mean daily miles of wind registered was 151, the 25-year normal being 161, shewing 11% below the average. The greatest number of miles of wind recorded in 24 hours was 237 on the 22nd, and the least, 103, on the 12th. South-easterly squall on the 6th, in the afternoon. Southeast wind continued until after 7 p.m. on seven occasions.

The mean relative humidity was 82%, which corresponds to the 33-year normal. The mean 7 a.m. was 85%, and the mean 3 p.m. was 72%. The lowest 7 a.m. was 75% on the 23rd, and the lowest 3 p.m. was 54% on the 22nd.

Overcast conditions prevailed in the forenoon on nine occasions and in the afternoon on twenty-one.

The total evaporation for the month of September was 4.37 ins., the 10-year normal being 5.12 inches.

Mean daily number of sunshine hours was 7.1.



## HAILSTORM.

Mr. Mordecai, the Superintendent P.W.D. of Westmoreland has forwarded the following report from his Assistant, Mr. W. P. Scott of the Bethel Town District:—

"Mr. G. A. Gage, schoolmaster, and Mr. J. A. Campbell, shopkeeper at Content, report that hail about 1" in diameter, accompanied by rain, fell between 2 and 3 p.m. on Friday, 11th September, 1936. The fall lasted for about half an hour, and the rain continued for another half an hour. Content is about 5 miles from Darliston on the Parochial Road, Darliston via Hopewell to Bluefields. Mr. J. H. Yates, shopkeeper at Dillian Bigwoods, a district between Hopewell and Content, reports that hail fell between 2 and 3 p.m. on 11th September, 1936, for about 10 minutes, and that the size was about 3/4 inch in diameter, with rainfall lasting for about an hour."

From the above statements it appears that the hail storm was confined to a very small area—say 1 1/2 mile in radius.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of September was 7.90 inches. Greatest fall in 24 hours, 2.13 inches, on the 5th. Total number of rainy days 15.

## WEATHER DISTURBANCES, SEPTEMBER, 1936.

The following particulars of weather disturbances, within barometric range of Jamaica, reported by the United States Weather Bureau, all of which organized above the parallel of Latitude 18° north, for the month of September, are given:—

On the 31st August a disturbance of force ten was located at about Latitude 20° North and Longitude 49° West, moving west-northwestward at about 15 to 20 miles per hour. It continued its forward movement on a course north-westward from the 31st August to the 2nd of September, and of hurricane intensity, approximately 300 miles to the south-east or east-southeast of the Island of Bermuda, moving northwestward at about 15 miles per hour. Then, on the 3rd of September it curved around in a north-east, or east-north-easterly course, to a point near to Latitude 36° North, and Longitude 53° West, into the North Atlantic Ocean.

On the 6th of September, at 10 p.m. a weather disturbance was located to the east-northeast of Porto Rico, attended by wind of gale force. It was estimated to have moved somewhat westerly, for on the 8th it was reported to have been 300 miles north-northeast of San Juan, Porto Rico, moving west-northwestward on the 9th of Sept. After passing Longitude 65° west it was, apparently no longer identified.

At 9 a.m. on the 11th September there was a tropical disturbance located, apparently, about 450 miles east-northeast of the Island of St. Thomas, moving west-northwestward. On the 12th it moved forward slowly to a position about 350 miles to the northeast of the Island of St. Thomas, attended by winds of gale force. But on the 13th it attained hurricane force at about Latitude 23° North and Longitude 61° west, or about 475 miles to the northeast of San Juan, Porto Rico. On the 15th it was located at about Latitude 27° North and Longitude 62° west, or about 425 miles to the south-southeast of the Island of Bermuda, moving northward or north-northeastward, attended by gales over a considerable area, and of winds of hurricane force near to its centre. Evidently continued about in a northerly direction into the mid Atlantic Ocean.

On the 16th September a tropical disturbance of great extent and of hurricane intensity was located, approximately, at Latitude 28° North and Longitude 66° West, which would be about 300 miles to the south-southwest of Bermuda, moving slowly in a somewhat north-westerly direction, attended by gales and squalls over a large area, and winds of hurricane force near to its centre. On the 17th it was located at about Latitude 32° 30' North and Longitude 72° 30' West, which is about 260 miles to the southeast of Cape Hatteras. On the 18th it moved forward to a point a short distance south-southeast of Cape Henry, Virginia, (U.S.A.) moving northward, along the coasts of Maryland, Delaware and New Jersey. Some disasters to shipping and loss of life at sea occurred.

At 7 a.m. on the 21st of September a tropical disturbance of hurricane intensity was located central, approximately in Latitude 27° North and Longitude 71° West, which is about 575 miles to the east of Fort Pierce, Florida, (U.S.A.), moving north-westward at about 12 miles per hour, attended by gales and squalls and of hurricane force, over a small area, near to its centre. On the 22nd September it moved forward to a point near Latitude 28° 30' North and Longitude 70° 30' West, which is about midway between Nassau and Bermuda, still moving slowly, apparently in a north-easterly direction. At 9.30 a.m. on the 23rd September it was about 125 to 200 miles to the southwest or west-southwest of Bermuda, probably moving forward north-eastward, and changing to northward on the 24th.

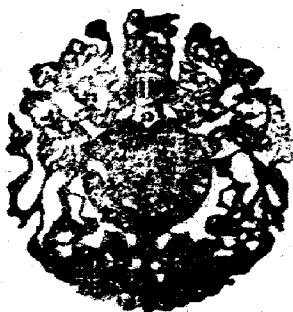
Up to the termination of September, there were for this hurricane season, eleven Tropical Disturbances reported, but every one of these developed and moved in a region beyond Latitude 18° North, and in no instance was this Island threatened.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
October 20th, 1936.

## CORRIGENDA.

Weather Report No. 715 February, 1936, page 6	
April—Mean Temperature for 77.8°	read 79.8°
May do. 81.3°	do 81.4°
Total do. 79.9°	do 80.1°



## JAMAICA

## WEATHER REPORT.

FOR THE MONTH OF

OCTOBER, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.916	29.876	81.0	84.2	86.5	76.9	9.6	88.6	13*	69.0	5	19.6
Kingston	24	29.890	29.836	74.1	84.4	87.9	72.4	15.5	91.2	2	68.1	15	23.1
Negril Point Light House	33	29.895	29.850	75.6	85.3	87.8	72.6	15.2	90.1	4	68.6	16	21.5
Castleton Gardens	496			69.6	81.1	85.8	68.6	17.2	90.0	2	64.0	15	26.0
Hope Gardens†	668	29.955	29.864	71.6	83.3	87.9	69.4	18.5	91.0	11	66.0	16	25.0
Boon Hall	970												
Hill Gardens	4,900	25.252	25.242	63.6	65.5	69.0	57.3	11.7	71.0	13	56.0	5	15.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.		7 a.m.			3 p.m.			
	ft.	°	%	°	%	ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point Light House	8	72	75	76	76	11.70	218	NNE	10.0	ENE	9.0	2.2	1.9	2.0	1.9	1.6	2.0	
Kingston	24	70	88	74	72	3.79	159	NNE	4.7	SE	10.6	2.0	0.1	1.7	5.1	0.8	1.3	
Negril Point Light House	33	73	92	77	77	7.29	119	ENE	4.7	ENE	9.6	1.3	0.0	6.5	1.7	4.9	1.1	
Castleton Gardens	496	69	95	76	85	8.11	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	67	86	72	70	5.28	..	..	..	..	..	..	..	..	..	..	..	
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	62	92	62	88	9.96	..	..	..	..	..	..	..	..	..	..	..	

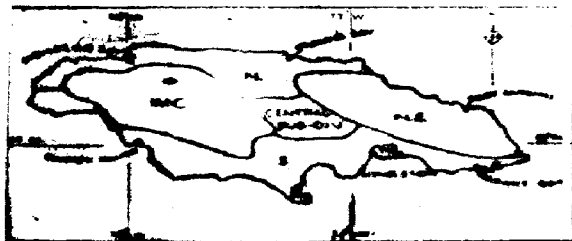
\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negri; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



October, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioreal	12.33	Ins.	Ins.		Ins.
Priestman's River	16.70	2.01	20	22	16.40
Bath	18.01	2.40	6	16	13.31
Barrett's Gap	18.57	4.50	4	16	16.43
Millbank	18.57	4.20	4	22	
Comfort Castle	24.38	5.66	6	20	
Moore Town	21.50	4.00	4	23	
Port Antonio	29.03	2.50	5	25	18.47
Passley Garden	13.13	2.10	4	19	14.24
Fellowship	9.34	1.74	4	15	
Johnson River Br.	16.78	2.98	4	14	15.96
Trinity Ville	8.34	2.50	6	10	13.59
Fruitful Vale	7.79	1.68	4	7	
Hope Bay	8.63	1.18	7	16	
Cedar Valley	8.15	2.43	7	22	
Moy Hall	9.50	2.34	6	17	13.94
Paradise	9.63	2.00	6	20	19.41
Lennox	11.82	2.04	7	17	
Greenvale	8.00	1.83	19	14	
Darley	4.82	1.72	15	15	10.97
Spring Garden	13.72	1.75	5	17	
Hill Gardens	8.14	3.30	20	13	6.13
Buff Bay	9.96	3.03	5	17	16.21
Buff Bay R. Est.	7.55	3.10	20	14	9.27
Belvedere, Portland	9.92	2.95	15	14	
Windsor Castle, do.	6.75	2.25	15	6	6.55
Balcarras	7.39	2.77	20	14	7.38
Mt. Holstein	6.09	1.83	6	12	
Cedar Hurst	7.19	2.64	15	10	
Hardware Gap	7.89	2.16	15	20	
	14.41	3.19	16	17	14.72

October, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
	Ins.	Ins.			Ins.
Rose Hill ..	6.90	0.91	16	18	15.84
Mount Cressy ..	10.15	2.33	16		
Hermitage ..	7.95	1.82	16	19	
Mount Airy ..	7.08	1.38	16	12	
Stony Hill Ind. Sch.	7.22	1.59	16	14	14.06
Boon Hall ..	7.52	1.85	16	17	
Brandor. Hill ..	8.59	2.00	3	15	
Enfield ..	3.33	1.00	4	8	
Agualta Vale ..	10.02	3.87	20	13	6.26
Castleton Gardens	8.11	1.60	3	16	14.36
Water Valley ..	3.90	1.80	20	8	7.27
Albany ..	6.24	1.70	4	15	7.44
Lawrence Tavern ..	6.78	1.40	16	16	11.90
Wey Hill ..	5.48	1.53	6	12	
Richmond, St. Mary	4.59	1.30	20	12	8.14
Quebec, St. Mary	10.92	1.94	3	14	9.33
Above Rocks ..	7.32	1.30	16	10	
Glergoffe ..	5.70	1.00	4	9	
Carew Castle ..	4.34	0.80	3	15	12.61
Hampstead, St. Mary	6.02	2.20	20	13	7.88
Windsor Castle do.	5.41	1.45	15	11	
Troja ..	5.34	1.96	10	15	
Pear Tree Grove ..	3.03	1.00	20	7	
Guy's Hill ..	4.80	0.71	23	14	7.27
Lucky Hill ..	5.35	1.45	20	13	8.26
Rio Hce ..	4.62	1.11	20	10	8.68
Unity Valley ..	3.69	0.87	19	18	8.94
Moneague ..	4.38	0.99	20	10	8.97
Claremont ..	3.98	2.20	19	6	8.18
Averham Park ..	5.26	2.60	19	11	10.52
Albion ..	3.49	1.99	5	11	8.89
NORTHERN DIVISION (N.).					
Port Maria ..	9.18	1.40	4	16	8.26
Wentworth ..	9.05	1.50	3	14	
Oracabessa ..	9.33	1.90	4	9	
Huddersfield ..	9.27	2.33	20	8	
Ocho Rios ..	6.13	1.80	19	10	5.56
Rockfield ..	6.23	2.97	19	14	6.40
Liberty Hill ..	4.29	1.90	20	5	5.93
St. Ann's Bay ..	6.02	3.55	20	16	6.62
Richmond Estate ..	4.31	1.99	20	11	6.94
Runaway Bay ..	4.30	1.75	19	5	3.07
Knapdale ..	4.56	2.15	19	13	
Alexandria ..	4.96	1.57	1	8	7.96
Bel-Air ..	4.20	2.10	19	8	
Brown's Town ..	6.02	1.93	1	16	8.32
Wilton ..	4.56	1.65	19	13	
Watt Town, St. Ann	2.09	1.02	7	14	8.33
Home Castle ..	4.75	2.00	20	5	6.51
Arcadia ..	5.78	2.54	19	11	6.15
Vale Royal ..	6.27	2.60	19	10	6.50
Harmony Hall ..	5.52	2.62	20	7	5.18
Duncans ..	5.12	2.30	20	6	
Clark's Town ..	10.92	4.70	19	12	
Falmouth ..	2.94	1.12	20	5	5.54
The Hague ..	3.73	1.55	20	8	
Wales ..					

STATIONS.	October, 1936.					STATIONS.	October, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	4.56	1.43	20	11		Mereworth	8.54	1.50	6	21	
Barrett Hall	4.25	1.05	20	8		Mandeville	7.09	1.40	7	24	14.86
Success	3.17	0.80	18	6	5.98	Ulster Spring	6.56	1.55	16	10	11.90
Rose Hall	3.54	1.04	4	8	6.24	Greenvale	6.46	1.00	14	19	
Cinnamon Hill	3.89	1.08	20	9	6.66	Albert Town	7.44	1.60	15	17	11.79
Tryall	4.40	2.05	20	9	6.01	Craig Head	5.29	2.36	18	5	
Running Gut	3.23	1.65	20	7	5.52	Warsop	4.49	1.89	16	16	
Spring Estate	3.90	1.90	20	8	6.33	Troy	8.02	2.06	12	11	15.46
Friendship	8.75	2.30	20	13	10.16	Wallingford	13.49	1.56	15	22	13.54
Retirement	2.45	2.24	20	12	9.63	Balaclava	7.74	1.40	25	20	12.22
Rose Mount	3.41	1.38	20	8		Braes River	10.77	1.70	17	19	
Montego Bay	4.35	1.46	20	6	7.53	Wakefield	5.80	2.35	20	9	
Anchovy	8.64	1.71	20	13	6.96	Aberdeen	7.49	0.80	18	18	
Hopewell	5.55	1.20	19	12		Accompong	9.81	1.80	2	22	
Blue Hole	5.12	1.36	21	9	10.44	Maggotty	10.41	1.87	1	22	13.85
Cascade	8.14	2.33	19	12		Lacovia	7.42	1.45	29	17	
Lucea	6.67	1.80	19	12	8.12	Mulgrave	9.37	1.30	4	21	
Haughton Court	6.34	2.08	19	10	7.18	Holland					
Kendal—Hanover	14.90	3.11	19	17		Ipswich	7.27	1.07	23	20	
Cousins Cove	8.85	2.20	19	16		Ginger Hill					
Green River	7.77	3.30	19	12		Kempshot	9.53	2.63	3	15	9.67
Green Island	10.03	3.12	19	14	8.61	Mocho, St. James					
Haughton Hall	7.57	2.33	19	17		Bandon Pen	12.49	2.76	15	10	
CENTRAL SUB-DIVISION						Catadupa	8.23	1.72	19	12	14.00
Knollis	6.92	1.17	12	16		Cambridge	9.56	2.66	19	12	12.42
Highgate (St. Cath.)	9.38	1.85	29	23		New Market	11.24	2.50	29	17	13.14
Rio Magno	4.13	0.60	20	14		Kew Park	6.77	1.03	3	14	12.03
Riversdale	3.25	1.93	19	4		The Bog	9.68	2.03	29	19	13.75
Headworks, R.C.C.	5.61	0.97	16	12	9.03	Bethel Town Dist.	8.50	1.67	20	18	16.37
Bog Walk	6.89	1.04	1	15		Burnt Ground	8.81	2.07	19	15	12.28
Linstead	4.85	0.94	21	12	9.46	Haughton Grove					11.67
Ewarton	2.85	0.61	11	11		Darliston	15.23	2.04	1	24	14.89
Cave Valley	10.38	1.10	20	11	9.81	Bluefields	6.50	1.50	4	20	10.89
Guanoaboa Vale	6.69	2.10	16	15		Whithorn	10.77	1.76	19	22	12.70
Point Hill	9.51	1.82	29	16	14.43	Water Works Pen	11.65	2.05	22	20	11.31
Brown's Hall	5.84	1.31	4	9	12.12	Williamsfield, Wld.	11.81	2.10	16	22	
Bellas Gate	7.28	1.88	4	15	11.55	Baulk	11.91	1.85	1	17	
Rock River	8.18	1.50	16	11		Askenish	11.74	2.75	15	19	14.36
Crofts Hill	6.01	1.05	14	16	10.10	Grange Hill	8.11	1.62	5	14	12.85
Far Enough	2.98	0.72	20	16		Mount Eagle	7.19	1.58	19	11	
Suttons	10.32	1.40	19	20		King's Vale	3.70	0.79	10	11	9.27
Colonel's Ridge	4.19	0.87	16	11		SOUTHERN DIVISION (S.)					
Chapelton	7.43	1.19	14	13	12.13	Morant Point L.H.	11.70	3.30	4	21	11.35
Crooked River	7.05	1.27	14	16		Golden Grove	11.09	3.46	4	15	
James Hill	6.02	1.02	15	14		Pleasant Hill	14.26	3.62	4	20	11.37
Frankfield	6.45	1.24	15	11	11.27	East Prospect	17.06	4.48	6	17	11.83
WEST-CENTRAL DIVISIONS (W.C.)						Morant Bay	10.77	3.37	6	18	12.12
Mocho, Clarendon	9.47	3.69	20	9	13.81	Aeolus Valley	9.76	3.65	6	17	
Smithville	9.86	1.42	29	16		Yallahs	14.28	2.70	8	10	
Clarendon Park	8.73	1.69	4	20		Easington	9.46	2.72	6	14	11.41
Porus	7.07	1.18	7	13		Llandewey					
Borobridge	5.28	1.20	16	14		Mavis Bank	6.90	1.90	15	14	
Spaldings	5.44	1.05	1	12	13.05	Mavis Bank Factory	8.79	1.94	14	12	
Williamsfield	7.92	1.26	7	24		Bull Bay	6.00	3.84	6	9	7.33
Brokenhurst	8.11	1.50	6	19	13.95	Dallas Castle	8.44	1.78	8	23	
Shooters Hill	8.12	1.41	14	14	12.08	Gordon Town	5.29	1.14	6	11	12.24
Wait-a-bit	7.76	1.80	14	13		Irish Town	8.27	3.40	16	12	10.54
Christiana	5.96	1.06	1	17	10.97	Hope Gardens	5.28	1.41	6	15	9.68
Holmwood	6.65	1.04	1	22		Waireka					
Clifton Hill	12.05	3.25	7	14	15.41	Ivor	5.11	1.60	16	16	
Kendal, Manchester	7.81	1.65	14	16	13.65	Barbican	4.91	1.57	1	13	
						Plumb Point L. H.	6.73	2.20	14	9	7.15

STATIONS.	October, 1936.					STATIONS.	October, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar.	8.00	2.20	25	11	8.55	Stone's Hope	7.90	1.77	7	17	12.14
Cavaliers	5.40	1.34	6	12		Newport, Man.	6.42	1.03	7	19	11.79
Upper Kingston	4.10	1.26	6	13	6.22	Alligator Pond	5.25	1.45	6	13	7.49
Parade Garden	3.85	1.58	6	7		Fairfield	5.31	1.18	23	27	10.33
Kingston P.W.O.	3.79	1.27	6	8	7.10	Pepper					
Constant Spring	5.70	1.78	17	12		Myersville	5.90	1.00	18	13	
Halfway Tree	5.57	2.00	19	13	8.05	Goshen	9.94	1.57	16	14	
Clifton Pen	5.94	1.75	6	13	6.56	Southfield, St. Eliz.	7.17	1.31	13	15	8.25
Seaward Pen	6.04	1.42	15	12		Windsor, St. Eliz.	7.00	1.35	17	23	
Red Hills	10.47	1.60	2	14		Torrington	6.99	1.06	27	15	10.09
Quarantine Station	6.71	1.50	15	13	5.34	Santa Cruz	10.24	2.67	29	18	11.93
Hematine	6.60	1.56	23	16	6.86	Hounslow	4.42	0.85	20	10	
Spanish Town	7.10	1.62	23	17	8.34	Pedro Plains	3.42	0.65	7	11	5.44
The Stewartry						Mountainside	5.02	1.14	29	12	7.87
Hog Hole, St. Cath.	8.30	1.46	14	18	8.94	Fort Charles	3.03	1.00	1	8	
Clairmont	6.87	1.50	2	13		Black River	5.52	1.07	22	17	8.06
Old Harbour	8.60	1.60	15	12	9.50	Mt. Charles	6.33	0.80	16	19	
May Pen	5.21	1.35	7	18	9.90	Font Hill	10.45	1.90	29	16	8.81
Glen Muir	5.40	1.20	7	13		Mount Edgecombe	10.26	1.68	1	20	9.80
Cottage	12.08	2.80	20	16		Sweet River	4.77	0.78	7	16	9.94
Belle Plain	12.76	2.60	25	17		Sav.-la-Mar	7.56	1.80	28	13	8.87
Milk River	11.90	1.96	7	14	8.20	Little London	14.90	3.00	28	14	10.50
Retrieve	5.12	0.81	18	10	9.44	Retreat	8.04	2.11	28	12	10.10
Hog Hole, S. Man.					12.69	Negril Point L.H.	7.29	3.42	19	18	8.21

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	October.			
	Rainfall.		Rainy Days.	
	1936.	Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern	8.66	11.72	14	15
Northern	5.70	7.57	11	12
West-Central	8.83	12.31	16	17
Southern	7.71	9.24	15	13
The Island means	7.73	10.21	14	14

## SHOCKS OF EARTHQUAKE IN OCTOBER, 1936.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None reported.	

N.B.—If it is particularly requested that all Rainfall Post Cards be sent in not later than the 5th of each month.

## THE ISLAND—OCTOBER.

The mean rainfall was somewhat below the average in all Divisions, but was well distributed, as the mean number of rainy days was 14, which is the average for the month.

The greatest total fall for the month was 29.03 inches at Moore Town in the North-Eastern Division and the heaviest fall in 24 hours was 5.66 inches at Millbank in the same Division on the 6th. Moore Town also had most rainy days—25.

A Hailstorm, accompanied by heavy rain, was reported from Trinity Ville and Mavis Bank Factory on the 14th, also at Labyrinth on the afternoon of the 15th.

The mean rainfall in each parish is given below, compared with the 10-year average. St. Thomas with 12.16 inches was highest, Portland with 11.87 inches and Westmoreland with 9.47 inches were second and third, respectively, and Kingston with 4.62 inches was lowest.

Parish.	10-year 1936.	Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	4.62	6.83	St. James ..	5.79	9.34
St. Andrew ..	7.35	12.11	Hanover ..	8.09	11.70
St. Thomas ..	12.16	14.56	Westmoreland	9.47	12.17
Portland ..	11.87	13.58	St. Elizabeth	7.85	12.17
St. Mary ..	7.08	9.17	Manchester	7.24	14.24
St. Ann ..	4.91	7.68	Clarendon ..	7.68	12.62
Trelawny ..	6.18	8.74	St. Catherine	6.11	10.78

## CITY OF KINGSTON.

The total rainfall for the month of October was 3.79 inches, representing about one-half that of the average. The aggregate fall for the past ten months amounts to 34.63 inches, and the aggregate normal for the 60-year period gives a total of 27.24 inches, representing an excess of about seven ins., for the year 1936, so far. The greatest fall in 24 hours was 1.27 inch on the 6th. There were eight rainy days, as against the 49-year average of twelve. The upper boundary of Kingston gauged a total of 4.10 ins. with thirteen rainy days.

The number of days upon which distant rain was observed was as follows: to the northward thirteen, to the north-east one, to the eastward two, to the south-east three, to the southward one, to the south-west and west two and to the north-west three.

Distant lightning was seen, in the evening, to the north-east on three occasions. Distant thunderstorm observed to the north on eleven days, to the north-eastward and eastward once each, to the south-east twice, to the south three, and to the south-west and north-west one each. Local thunderstorm on the 1st, 15th and 25th, and intense on the 14th.

Mean barometric pressure was 29.876 ins.; the 33-year normal being 29.866 ins., shewing 0.010 inch above the normal. The highest reading was 29.938 ins. on the 24th at 3 p.m., and the lowest was 29.831 ins. on the 18th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 79.2°; the 33-year normal being 79.4°, shewing 0.2 below the normal. The highest reading was 91.2° on the 2nd, and the lowest was 68.1° on the 15th, which is equivalent to an extreme monthly range of 23.1°. On the other hand the lowest maximum was 84.0° on the 20th owing to cloudiness and light rain, and the highest minimum was 75.3° on the 1st when the forenoon wind registered calm. The maximum was above 90° on three occasions and the minimum was below 70° twice. The greatest daily range was 19.3° on the 24th, and the least was 9.3° on the 20th.

The mean daily miles of wind registered was 159, as compared to the 25-year normal of 155, or 3% above the average. The greatest number of miles recorded was 337 on the 9th, and the least was 95 on the 30th. South-east rainsqualls on the 5th, 7th, and 8th. Early south-east wind on nine occasions, and continued after 7 p.m. on eight.

The mean relative humidity was 83%, as against the 33-year normal of 84%. The lowest 7 a.m. was 79% on the 29th, and the lowest 3 p.m. 58% on the 5th.

Overcast conditions prevailed in the forenoon on eleven and in the afternoon twenty-one occasions.

The total evaporation for the month of October was 3.82 ins., the 10-year average being 4.05 ins.

Mean daily number of sunshine hours was 3.6.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of October was 9.60 inches. Greatest fall in 24 hours 3.40 inches on the 21st. Total number of rainy days—9.

## TROPICAL DISTURBANCE.

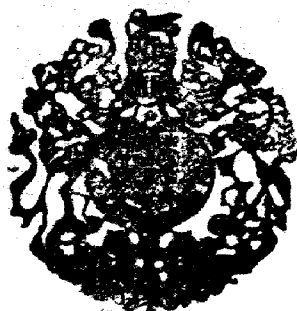
On the 10th of October a wireless Broadcast message was issued from New Orleans, Louisiana, U.S.A., that a Tropical Disturbance of slight intensity was located at 7 a.m. Eastern Standard Time, about 150 miles to the north-east of Puerto Mexico (Mexico—in the extreme southern region of the Gulf,) apparently moving slowly to the westward, attended by fresh shifting winds and squalls.

Otherwise, the Caribbean area was free of hurricane in the month of October.

J. F. BRENNAN,  
Government Meteorologist.

Kingston, November 20th, 1936.

No. 724.



JAMAICA

# WEATHER REPORT.

FOR THE MONTH OF

NOVEMBER, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
		ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.932	29.890	80.2	83.2	85.1	77.1	8.0	87.1	20	69.1	4
Kingston	24	29.905	29.841	72.9	85.4	87.7	71.5	16.2	90.5	11	67.9	28
Negril Point Light House	33	29.915	29.861	74.9	84.3	87.4	72.4	15.0	90.1	1	69.6	9*
Castleton Gardens	496			69.3	80.0	83.7	68.3	15.4	87.0	1	65.0	30
Hope Gardens†	668	29.968	29.855	71.9	86.0	88.8	68.8	20.0	91.0	25	66.0	25
Boon Hall	970											
Hill Gardens	4,900	25.238	25.226	63.3	65.2	67.4	57.1	10.3	70.0	11	56.0	16

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.			7 a.m.			3 p.m.		
		ft.	°	%	°	%			ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point																		
Light House	8	74	83	74	76	5.43	244	NNE	12.0	NNE	11.0	1.4	2.9	1.1	1.9	2.8	1.2	
Kingston	24	69	87	73	67	0.59	148	N	4.4	SE	11.9	2.0	0.3	1.1	3.2	1.7	0.9	
Negril Point																		
Light House	33	71	86	73	70	2.04	126	NE	4.2	Var.	7.9	2.8	0.5	2.7	1.6	5.0	0.7	
Castleton																		
Gardens	496	67	95	76	88	10.56	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	67	84	73	65	1.53	..	..	..	..	..	..	..	..	..	..	..	
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	61	93	62	88	5.82	..	..	..	..	..	..	..	..	..	..	..	

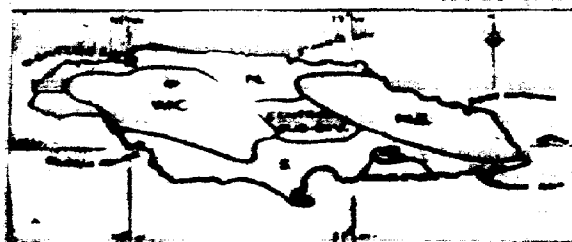
\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	November, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
	Ins.	Ins.			Ins.
Manchioneal	11.04	2.85	7	19	14.25
Priestman's River	11.85	3.00	7	10	11.66
Bath	14.47	4.64	6	16	14.24
Barrett's Gap	18.11	3.66	6	20	
Millbank	30.01	7.35	6	22	
Comfort Castle	26.62	6.30	6	24	
Moore Town	20.49	2.72	5	22	33.29
Port Antonio	16.24	3.80	5	18	16.98
Passley Garden	14.01	4.13	6	20	
Fellowship	24.47	7.60	6	16	25.41
Johnson River Br.	6.54	2.30	6	10	8.91
Trinity Ville	5.61	1.95	6	8	
Fruitful Vale	18.40	2.85	28	22	
Hope Bay	15.67	5.40	6	23	
Cedar Valley	4.08	1.53	6	13	12.08
Moy Hall	4.07	1.08	6	17	17.45
Paradise	11.82	2.68	23	17	
Lennox	7.70	2.00	7	9	
Greenvale	11.57	2.93	28	14	33.76
Darley	15.08	3.60	6	18	
Spring Garden	11.20	3.00	7	16	13.01
Hill Gardens	5.85	1.03	6	13	15.57
Buff Bay	9.85	3.00	6	16	15.92
Buff Bay R. Est.	9.45	1.57	16	20	
Belvedere, Portland	6.41	1.70	23	10	15.52
Windsor Castle, do.	9.95	3.00	16	13	15.45
Balcarres	14.43	2.58	27	15	
Mt. Holstein	9.38	1.65	27	12	30.39
Cedar Hurst	8.38	1.20	27	19	
Hardware Gap	6.28	0.95	28	20	16.76

November, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	Ins.	Ins.			Ins.
<b>NORTH-EASTERN DIVISION, contd.</b>					
Rose Hill	4.84	1.37	7	10	15.38
Mount Cresse	12.87	2.45	28		
Hermtage	3.38	0.54	5	19	
Mount Airy	9.26	1.26	1	18	
Stony Hill Ind. Sch.	2.86	0.40	17	16	8.19
Boon Hall	5.21	1.35	21	17	
Brandon Hill	8.01	2.00	28	15	
Enfield	9.98	2.50	23	12	
Agulita Vale	9.27	2.45	16	17	11.68
Castleton Gardens	10.56	1.80	28	15	16.40
Water Valley	3.63	1.35	16	8	10.84
Albany	6.71	1.70	4	18	11.16
Lawrence Tavern	3.56	1.20	21	10	9.69
Wey Hill	5.66	1.72	5	13	
Richmond, St. Mary	5.07	1.10	27	13	12.12
Quebec, St. Mary	10.10	1.28	17	16	9.79
Above Rocks	6.84	2.32	7	7	
Glengoffe	5.40	1.50	7	8	
Carew Castle	5.60	2.12	7	12	10.69
Hampstead, St. Mary	10.02	2.70	10	14	16.24
Windsor Castle do.	10.82	2.15	27	18	
Troja	6.37	1.15	27	12	
Pear Tree Grove	5.97	2.49	27	7	
Guy's Hill	8.39	3.27	5	15	10.74
Lucky Hill	9.93	2.16	10	15	14.78
Rio Hoe	7.13	1.55	27	13	10.78
Unity Valley	5.22	1.35	27	14	10.35
Moneague	5.85	1.46	27	14	11.84
Claremont	4.56	0.70	27	13	11.99
Averham Park	6.94	1.50	17	24	13.38
Albion	4.73	0.81	21	16	10.62
<b>NORTHERN DIVISION (N.)</b>					
Port Maria	8.06	1.75	27	21	11.02
Wentworth	8.91	1.60	28	17	
Oracabessa	6.91	1.30	6	11	
Huddersfield	7.74	1.40	11	11	
Ocho Rios	6.16	1.35	16	13	9.50
Rockfield	6.10	1.43	16	16	15.09
Liberty Hill	5.11	1.30	16	11	11.06
St. Ann's Bay	6.08	1.68	15	20	9.58
Richmond Estate	3.61	1.03	15	13	9.64
Runaway Bay	2.85	0.95	16	6	3.98
Knapdale	11.39	2.67	17	16	
Alexandria	2.23	0.93	7	6	5.45
Bel-Air	5.40	1.80	16	16	
Brown's Town	5.65	2.05	16	19	11.23
Wilton	5.66	1.68	16	16	
Watt Town, St. Ann	3.67	0.53	21	10	5.15
Home Castle	6.20	1.80	17	9	9.00
Arcadia	5.56	1.93	27	11	7.50
Vale Royal	4.81	1.41	27	14	7.75
Harmony Hall	2.93	0.84	22	11	6.11
Duncans	2.58	0.60	10	6	
Clark's Town	7.20	1.64	27	13	
Falmouth	2.85	1.04	17	8	5.02
The Hague	3.32	1.14	17	8	
Wales	2.60	1.60	16	2	



November, 1936.						November, 1936.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	5.11	1.26	17	11	Ins.	Mereworth	6.71	1.77	30	18	Ins.
Barrett Hall	2.67	0.90	17	6		Mandeville	4.68	0.95	4	14	7.05
Success	2.87	0.87	17	7	5.22	Ulster Spring	5.31	1.38	15	9	7.30
Rose Hall	2.07	0.67	17	8	5.71	Greenvale	3.84	1.38	30	9	
Cinnamon Hill	2.08	0.85	17	9	5.56	Albert Town	9.22	2.00	7	14	7.40
Tryall	2.37	0.85	17	9	4.30	Craig Head	5.45	2.30	23	4	
Running Gut	2.05	0.73	17	7	5.21	Warsop	10.19	2.31	15	14	
Spring Estate	2.08	0.90	17	6	5.74	Troy	7.93	1.90	25	9	7.07
Friendship	7.62	3.04	10	12	5.97	Wallingford	5.57	2.46	19	14	6.87
Retirement	7.34	2.45	5	10	6.54	Balaclava	4.10	1.47	19	10	5.93
Rose Mount	4.10	1.25	17	10		Braes River	4.64	1.70	29	10	
Montego Bay	5.10	1.40	5	10	5.10	Wakefield	4.05	1.50	15	7	
Anchovy	6.60	2.37	4	12	3.23	Aberdeen	9.15	1.29	29	17	
Hopewell	5.71	2.20	4	10		Accompong	7.78	1.45	15	21	
Blue Hole	6.10	1.78	4	11	8.07	Maggotty	14.58	3.75	29	14	6.81
Cascade	11.08	2.60	6	13		Lacovia	4.89	1.65	25	11	
Lucea	6.19	1.53	7	14	5.82	Mulgrave	6.53	1.38	6	17	
Haughton Court	7.71	1.47	28	15	4.58	Holland					
Kendal—Hanover	5.44	1.10	18	14		Ipswich	8.31	1.98	29	15	
Cousins Cove	8.58	1.40	6	20		Ginger Hill	7.89	1.44	6	20	
Green River	5.21	1.39	5	11		Kempshot	4.54	1.16	5	14	6.70
Green Island	6.25	1.66	7	14	4.62	Mocho, St. James	8.49	2.64	7	13	
Haughton Hall	4.82	1.50	7	15		Bandon Pen	6.52	1.46	21	9	
CENTRAL SUB-DIVISION						Catadupa					
Knollis	5.32	1.36	25	10		Cambridge	7.32	1.78	7	18	8.01
Highgate (St. Cath.)	4.51	1.20	25	14		New Market	8.35	2.45	21	13	5.53
Rio Magno	7.07	1.50	7	10		Kew Park	7.82	1.20	30	13	7.39
Riversdale	4.98	1.43	7	9		The Bog	10.54	1.87	15	18	5.66
Headworks, R.C.C.	1.96	0.88	19	4	5.12	Bethel Town Dist.	7.30	2.90	25	15	6.66
Bog Walk	3.78	1.61	10	5		Burnt Ground	9.99	2.53	15	19	7.50
Linstead	6.59	2.21	10	7	6.47	Haughton Grove	3.76	1.10	7	12	5.96
Ewarton	5.10	1.80	24	10		Darliston					5.46
Cave Valley	4.23	2.26	26	4	5.30	Bluefields	11.01	2.81	15	15	7.35
Guanoaboa Vale	1.03	0.47	30	4		Whithorn	16.70	3.30	25	18	6.48
Point Hill	6.39	1.92	7	12	10.01	Water Works Pen	5.75	1.40	5	15	6.06
Brown's Hall	1.76	0.53	4	6	10.46	Williamsfield, Wld.	5.24	1.23	7	12	4.90
Bellas Gate	1.23	0.50	4	11	3.56	Baulk	8.18	2.50	25	14	
Rock River	2.22	0.90	4	4		Askenish	9.69	1.66	6	12	
Crofts Hill	6.50	1.40	10	10	6.40	Grange Hill	7.75	3.05	7	8	5.04
Far Enough	5.64	2.03	25	13		Mount Eagle	6.32	1.42	6	15	5.66
Suttons	3.49	1.27	4	9		King's Vale	4.21	1.35	6	10	
Colonel's Ridge	4.26	1.25	27	11		SOUTHERN DIVISION (S.)					
Chapelton	4.66	1.24	20	13	4.83	Morant Point L.H.	2.29	0.51	6	8	5.05
Crooked River	3.56	1.10	18	9		Golden Grove					
James Hill	5.09	1.36	30	10		Pleasant Hill	5.43	1.01	7	19	7.97
Frankfield	4.74	0.96	7	8	4.39	East Prospect	8.70	2.68	5	21	8.87
WEST-CENTRAL DIVISIONS (W.C.)						Morant Bay	6.07	1.44	6	21	10.31
Mocho, Clarendon	2.13	1.61	7	3	5.67	Morant Bay	5.71	2.48	5	18	7.22
Smithville	3.93	0.95	7	7		Aeolus Valley	4.51	2.07	5	16	
Clarendon Park	3.32	1.02	20	17		Yallahs	6.15	3.15	6	3	
Porus	4.00	1.20	25	9		Easington	4.40	2.10	6	8	5.38
Borobridge	4.18	1.60	30	10		Llandewey					
Spaldings	5.02	2.36	30	12	4.88	Mavis Bank	2.09	0.46	3	16	
Williamsfield	4.27	0.68	30	12		Mavis Bank Factory					
Brokenhurst	6.07	1.29	30	14	7.29	Bell Bay	0.90	0.64	6	3	3.10
Shooters Hill	4.67	1.05	6	8	6.74	Dallas Castle	3.19	0.73	6	11	
Wait-a-bit	6.60	2.56	25	12		Gordon Town	2.56	1.21	4	10	9.01
Christiana	2.63	0.63	20	10	6.35	Irish Town	2.09	0.70	7	8	8.98
Holmwood	3.46	1.81	30	13		Hope Gardens	1.53	0.42	22	12	5.80
Clifton Hill	7.30	1.85	30	10	5.44	Waireka					
Kendal, Manchester	5.24	1.23	30	11	6.41	Ivor	5.23	2.46	7	14	
						Barbican	2.25	0.68	4	8	
						Plumb Point L. H.	0.35	0.35	28	1	2.45

STATIONS.	November, 1936.					STATIONS.	November, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	2.21	1.37	4	2	4.75	Stone's Hope	4.61	1.21	27	13	5.58
Cavaliers	1.12	0.40	3	6		Newport, Man.	5.72	1.74	27	12	6.73
Upper Kingston	0.92	0.42	3	8	2.52	Alligator Pond	2.83	0.64	27	8	3.55
Parade Garden	0.61	0.31	28	3		Fairfield	3.69	1.20	30	16	6.59
Kingston P.W.O.	0.59	0.27	28	6	2.92	Pepper					
Constant Spring	3.87	1.12	21	12		Myersville	2.19	0.34	18	9	
Halfway Tree	2.10	1.03	3	10	4.05	Goshen	4.35	1.29	30	12	
Clifton Pen	1.23	0.48	3	7	4.82	Southfield, St. Eliz.	3.17	1.52	20	11	4.69
Seaward Pen						Windsor, St. Eliz.	5.39	1.40	30	17	
Red Hills	2.42	0.97	20	8		Torrington	4.47	1.46	30	12	6.57
Quarantine Station	2.77	2.50	4	4	2.56	Santa Cruz	3.11	1.06	20	9	6.09
Hematine	1.24	0.72	26	9	3.67	Hounslow	2.65	0.70	20	6	
Spanish Town	1.05	0.60	26	7	3.80	Pedro Plains	0.72	0.21	30	3	3.85
The Stewartry						Mountainside	2.86	0.71	27	10	5.88
Hog Hole, St. Cath.	1.41	0.34	19	11	4.60	Fort Charles	2.43	0.70	1	7	
Clairmont	2.31	0.49	24	7		Black River	3.45	0.75	27	16	4.36
Old Harbour	0.58	0.42	28	2	4.67	Mt. Charles	3.92	0.70	29	14	
May Per	2.23	0.94	6	13	4.60	Font Hill	2.95	1.30	7	6	4.82
GlenMuir	3.50	0.80	7	7		Mount Edgecombe	7.20	1.73	21	12	4.98
Cottage	3.93	1.00	17	5		Sweet River					3.82
Belle Plain	5.50	1.50	30	12		Sav-la-Mar	5.52	1.41	29	8	3.67
Milk River	1.35	0.31	6	7	5.12	Little London	7.35	1.40	29	14	3.98
Retrieve	2.91	1.00	6	6	5.22	Retreat	4.01	1.36	23	12	4.60
Hog Hole, S. Man.					5.20	Negril Point L.H.	2.04	0.67	10	12	3.83

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	November.			
	Rainfall.		Rainy Days.	
	1936.	Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern	8.58	15.52	15	16
Northern	4.66	6.42	11	11
West-Central	6.87	6.21	12	11
Southern	3.13	5.01	10	9
The Island means	5.81	8.29	12	12

## SHOCKS OF EARTHQUAKE IN NOVEMBER, 1936.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
17th			Clifton Hill

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—NOVEMBER.

The mean rainfall for the month was much below the average in all divisions except the West-central, where there was a slight excess. This restricted rainfall was, however, fairly well distributed, the mean number of rainy days being 12, which is the average for the month.

The greatest total fall for the month was 30.01 inches at Millbank in the North-eastern Division, and the heaviest fall in 24 hours was 7.60 inches at Fellowship in the same Division on the 6th. Comfort Castle and Averham Park, also in the same Division had most rainy days—24 each.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 14.84 inches was highest; Westmoreland with 7.57 inches was second; and St. Thomas with 7.22 inches was third. Kingston with only 0.62 inches was lowest. All parishes, except Westmoreland, were much below normal.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	0.62	3.10	St. James	4.88	7.31
St. Andrew	4.07	11.56	Hanover	6.22	6.60
St. Thomas	7.22	9.68	Westmoreland	7.57	5.32
Portland	14.84	26.04	St. Elizabeth	5.14	5.68
St. Mary	8.22	14.21	Manchester	4.54	6.11
St. Ann	5.43	10.07	Clarendon	4.03	5.26
Trelawny	5.37	7.73	St. Catherine	3.95	7.58

## CITY OF KINGSTON.

The total rainfall for the month of November, 1936, was 0.59 inch, as against the 60-year normal of 2.92 inches, shewing one-fifth of the normal. There were six days with rain, as compared to the 49-year average of eight. Greatest fall in 24 hours 0.27 inch on the 28th. The upper boundary of Kingston gauged 0.92 inch and eight days with rain.

Distant rain was observed to the northward on four days, to the NE on three. To the East, NE, South and Southwest on one day each.

Distant thunderstorm to the north-westward on the 7th.

The mean barometric pressure was 29.885 inches, as against the 33-year normal of 29.892 inches, shewing 0.007 inch below the normal. The highest barometer reading was 30.014 ins. on the 28th at 3 p.m., and the lowest was 29.763 ins. on the 4th at 7 a.m. The readings are further corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 78.9°; the normal for 33 years being 78.3°, or 0.6° above the normal. The highest maximum temperature was 90.5° on the 11th, and the lowest minimum 67.9° on the 28th. On the other hand the lowest maximum was 84.1° on the 4th, and the highest minimum 76.1° on the 16th. The greatest range of temperature was 19.3° on the 23rd, and the least range was 11.8° on the 6th. The extreme range for the month was 22.6°, during an interval of seventeen days. The maximum was above 90° on three occasions and the minimum was below 70° on five occasions.

The mean relative humidity was 80%, as against the 33-year normal of 82%, which shews 2% below, owing to rainfall deficiency. The lowest 7 a.m. was 79% on the 9th, and the lowest 3 p.m. was 57% on the 2nd and 24th.

The occasions upon which the sky was overcast in the early forenoon were eight, and in the afternoon twelve.

The total amount of evaporation for the month of November was 3.99 inches. The 10-year average being 3.55 ins.

The mean daily number of sunshine hours was 8.2.

## CAYMAN ISLANDS.

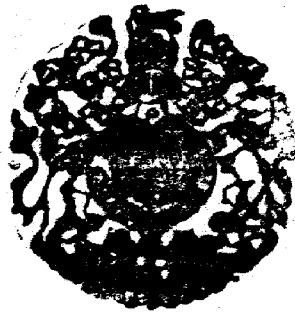
Government House, Georgetown, Grand Cayman. Total rainfall for the month of November, 1936 was 1.93 in. Greatest fall in 24 hours was 1.30 in., on the 16th, with 5 rainy days.

## WEATHER DISTURBANCES.

There were no weather disturbances reported in the Caribbean in the month of November, 1936.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
December 20th, 1936.



JAMAICA

## WEATHER REPORT.

FOR THE MONTH OF

DECEMBER, 1936.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperatures.			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.962	29.926	77.9	81.8	83.4	74.1	9.3	85.7	2	66.4	26
Kingston ..	24	29.940	29.886	69.7	83.7	86.1	68.6	17.5	89.3	5	65.3	13
Negril Point Light House	33	29.953	29.905	71.9	83.3	85.6	69.2	16.4	89.3	6	64.0	14
Castleton Gardens ..	496	..	..	66.9	78.9	81.0	65.9	15.1	86.0	5	59.0	14
Hope Gardens†	668	29.994	29.905	68.3	83.5	86.5	66.1	20.4	89.0	5	64.0	14
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	25.244	25.229	61.9	62.9	65.6	54.8	10.8	67.0	7	54.0	14

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point Light House	8	71	80	73	74	5.08	223	NE	11.0	NNE	10.0	4.0	1.5	0.5	0.8	3.6	0.4	
Kingston	24	65	86	71	66	1.12	130	N	4.2	SE	9.4	0.4	0.6	1.2	4.5	2.5	0.1	
Negril Point Light House	33	67	86	70	66	2.34	119	NE	4.5	Var.	7.9	2.9	0.3	1.5	1.4	4.2	0.7	
Castleton Gardens	496	65	95	75	87	18.27	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	63	83	71	67	1.60	..	..	..	..	..	..	..	..	..	..	..	
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	59	90	61	93	7.25	..	..	..	..	..	..	..	..	..	..	..	

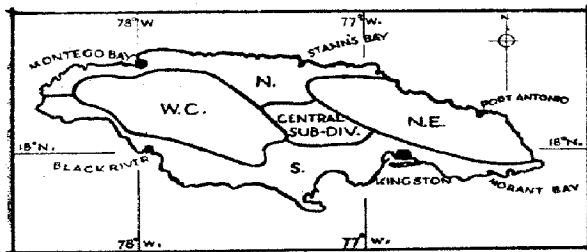
\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



December, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	10.40	Ins.	Ins.	17	20
Priestman's River	4.60	3.40	17	4	5.59
Bath	9.43	1.90	30	16	8.68
Barrett's Gap	13.64	3.80	30	24	
Millbank	32.59	5.85	29	22	
Comfort Castle	25.60	4.60	29	21	
Moore Town	23.95	4.50	29	19	23.75
Port Antonio	12.87	6.50	17	14	12.43
Passley Garden	12.67	3.74	17	13	
Fellowship	16.35	2.55	19	17	18.25
Johnson River Br.	3.80	1.45	26	7	4.73
Trinity Ville	3.00	1.20	30	5	
Fruitful Vale	16.03	3.20	30	20	
Hope Bay	11.45	2.25	27	21	
Cedar Valley	4.73	1.85	30	10	4.29
Moy Hall	4.94	1.85	30	14	5.56
Paradise	16.37	3.50	29	19	
Lennox	12.73	3.63	30	20	
Greenvale	20.77	5.13	29	21	22.57
Darley	11.54	1.86	29	16	
Spring Garden	12.04	3.60	30	14	8.06
Hill Gardens	7.25	2.17	30	16	9.68
Buff Bay	10.30	3.50	30	11	11.80
Buff Bay R. Est.	10.51	2.64	30	18	
Belvedere, Portland	9.70	2.20	29	14	13.85
Windsor Castle, do.	9.76	3.49	30	11	11.68
Balcarras	28.48	5.45	29	17	
Mt. Holstein	11.98	1.98	30	16	19.56
Cedar Hurst	10.80	2.28	29	19	
Hardware Gap	7.11	1.20	29	22	6.29

December, 1936.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
	Ins.	Ins.			Ins.
Rose Hill ..	2.42	0.55	27	13	5.06
Mount Cressy ..	19.47	4.60	29		
Hermitage ..	3.25	0.81	30	16	
Mount Airy ..	10.59	2.79	29	19	
Stony Hill Ind. Sch. ..	2.51	0.60	24	10	3.81
Boon Hall ..	3.86	0.81	26	15	
Brandon Hill ..	6.56	1.25	30	17	
Enfield ..	14.84	3.05	30	17	
Agualta Vale ..	8.74	2.77	30	12	9.48
Castleton Gardens ..	18.27	4.45	30	19	12.78
Water Valley ..	9.88	3.20	30	14	9.46
Albany ..	9.98	3.20	30	15	9.41
Lawrence Tavern ..	3.06	1.00	30	9	4.36
Wey Hill ..	9.36	2.77	30	14	
Richmond, St. Mary ..	9.83	4.14	30	12	9.83
Quebec, St. Mary ..	5.56	1.99	30	9	9.47
Above Rocks ..	1.31	0.86	30	4	
Glengoffe ..	6.28	1.55	30	8	
Carew Castle ..	5.02	1.76	19	7	4.70
Hampstead, St. Mary ..	12.27	3.20	30	15	11.86
Windsor Castle do. ..	6.36	2.32	30	13	
Troja ..	7.02	3.20	31	7	
Pear Tree Grove ..	7.68	3.50	31	6	
Guy's Hill ..	8.30	3.20	30	15	7.42
Lucky Hill ..	9.61	2.13	26	15	10.23
Rio Hoe ..	10.51	3.10	30	14	8.45
Unity Valley ..	8.33	2.70	29	16	7.25
Moneague ..	8.01	2.20	29	14	7.25
Claremont ..	14.46	4.15	1	16	7.78
Averham Park ..	8.91	1.86	3	23	10.25
Albion ..	11.20	2.43	29	16	7.86
NORTHERN DIVISION (N.).					
Port Maria ..	8.36	3.50	26	18	7.05
Wentworth ..	7.82	3.00	26	14	
Oracabessa ..	7.08	3.00	26	8	
Huddersfield ..	6.20	3.20	26	5	
Ocho Rios ..	6.48	1.80	30	11	6.62
Rockfield ..	11.65	2.28	29	17	9.39
Liberty Hill ..	5.15	1.25	28	9	7.86
St. Ann's Bay ..	10.74	2.16	30	20	7.25
Richmond Estate ..	5.17	1.15	26	13	7.92
Runaway Bay ..	4.29	1.36	30	9	3.39
Knapdale ..					
Alexandria ..	5.67	2.24	1	8	2.67
Bel-Air ..	5.95	1.80	30	12	
Brown's Town ..	8.76	1.90	29	21	8.42
Wilton ..	5.15	0.63	29	22	
Watt Town, St. Ann ..	2.16	1.46	27	13	2.06
Home Castle ..	5.90	2.00	30	6	7.53
Arcadia ..	4.44	1.33	30	15	6.65
Vale Royal ..	4.68	1.25	30	15	7.38
Harmony Hall ..	3.61	1.80	30	9	5.85
Duncans ..	2.44	1.06	30	8	
Clark's Town ..	5.03	0.95	30	13	
Falmouth ..	4.34	1.50	21	13	4.53
The Hague ..	4.08	0.90	30	11	
Wales ..					

STATIONS.	December, 1936.					STATIONS.	December, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	5.97	1.07	18	15		Mereworth	3.53	1.20	20	15	
Barrett Hall	5.13	1.50	21	11		Mandeville	2.72	0.85	20	18	2.95
Success	3.39	0.70	21	10	3.95	Ulster Spring	6.00	1.75	30	9	4.08
Rose Hall	5.39	1.12	21	14	4.64	Greenvale	1.57	0.39	30	8	
Cinnamon Hill	4.14	1.00	21	13	4.66	Albert Town	4.11	1.15	2	10	3.71
Tryall	5.67	1.80	16	15	3.28	Craig Head	4.19	2.90	1	5	
Running Gut	5.07	1.18	21	13	4.73	Warsop	7.40	1.95	1	10	
Spring Estate	5.70	1.75	16	13	4.51	Troy	5.37	2.48	1	8	3.05
Friendship					2.88	Wallingford	6.55	1.82	1	11	2.26
Retirement					2.94	Balaclava	3.56	1.73	1	12	2.16
Rose Mount	3.48	0.82	29	17		Braes River	1.71	0.47	27	10	
Montego Bay	2.78	0.74	29	11	4.26	Wakefield	5.20	1.70	27	9	
Anchovy	2.54	1.04	19	11	2.85	Aberdeen	3.94	1.35	2	7	
Hopewell	6.94	1.75	19	15		Accompong	5.43	1.80	19	11	
Blue Hole	1.18	0.70	29	6	2.32	Maggotty	2.35	1.18	27	9	2.88
Cascade	6.22	1.75	19	9		Lacovia	4.38	1.28	27	8	
Lucea	6.74	3.08	17	14	3.37	Mulgrave	1.74	0.30	30	15	
Houghton Court					3.17	Holland					
Kendal—Hanover	2.31	1.11	19	7		Ipswich	1.35	0.60	20	6	
Cousins Cove	4.75	1.34	17	13		Ginger Hill	6.70	3.24	17	10	
Green River	1.80	0.43	27	5		Kempshot	3.63	1.38	19	14	5.03
Green Island	1.73	0.56	18	7	2.14	Moocho, St. James					
Houghton Hall	1.91	1.25	18	11		Bandon Pen	2.93	1.33	19	5	
CENTRAL SUB-DIVISION						Catadupa	3.37	1.68	17	5	2.88
Knollis	2.24	0.60	26	6		Cambridge	2.57	1.50	1	4	2.26
Highgate (St. Cath.)	2.85	0.71	27	14		New Market	6.48	1.50	2	8	2.01
Rio Magno	7.89	2.05	30	10		Kew Park	1.50	0.74	19	7	2.56
Riversdale	6.06	1.84	29	9		The Bog	7.15	1.31	27	10	2.79
Headworks, R.C.C.	1.33	0.73	7	4	2.00	Bethel Town Dist.	1.41	0.30	17	12	2.19
Bog Walk	1.63	0.72	26	4		Burnt Ground	1.87	0.59	26	10	2.99
Linstead	2.20	1.50	30	5	3.37	Haughton Grove					2.95
Ewarton	1.86	0.50	30	8		Darliston	5.68	2.53	19	7	2.96
Cave Valley	2.11	1.23	19	2	3.05	Bluefields	5.73	1.64	27	10	2.67
Guanoaboa Vale	1.77	0.82	8	3		Whithorn	3.29	0.81	17	8	2.49
Point Hill	2.97	0.87	5	9	4.43	Water Works Pen	4.70	1.70	17	9	2.21
Brown's Hall	2.81	0.64	9	7	3.31	Williamsfield, Wld.	3.25	2.00	17	7	
Bellas Gate	1.27	0.44	4	6	0.98	Bauk	1.95	1.45	19	7	
Rock River	0.00			0		Askenish	4.00	1.70	1	5	2.33
Crofts Hill	1.15	0.36	31	14	2.16	Grange Hill	2.93	1.45	19	10	3.01
Far Enough	2.49	1.16	30	14		Mount Eagle	2.00	1.00	29	3	
Suttons	2.89	1.37	24	6		King's Vale	1.11	0.38	17	6	2.93
Colonel's Ridge	1.85	0.62	8	8		SOUTHERN DIVISION (S.)					
Chapelton	1.30	0.29	29	11	2.32	Morant Point L.H.	5.08	1.26	23	20	5.58
Crooked River	1.57	0.55	20	7		Golden Grove					
James Hill	3.92	1.57	24	11		Pleasant Hill	4.59	1.31	17	16	4.39
Frankfield	2.05	0.80	24	6	2.04	East Prospect	5.97	2.39	26	22	4.65
WEST-CENTRAL DIVISIONS (W.C.)						Morant Bay	3.12	0.80	30	18	3.96
Moocho, Clarendon	2.33	0.62	1	9	2.00	Aeolus Valley					
Smithville	3.39	0.95	20	10		Yallahs	1.55	1.00	3	3	
Clarendon, Park	2.00	0.89	24	9		Easington	1.17	0.45	26	5	2.63
Porus	1.90	0.86	27	5		Llandewey					
Borobridge	2.96	1.00	30	10		Mavis Bank	3.92	0.89	2	11	
Spaldings	1.99	0.63	14	12	2.13	Mavis Bank Factory					
Williamsfield	2.15	0.77	20	13		Bull Bay	0.62	0.41	24	2	1.07
Brokenhurst	2.50	0.70	19	8	3.04	Dallas Castle	2.53	0.81	2	13	
Shooters Hill	1.76	1.05	24	4	2.16	Gordon Town	2.49	0.83	26	5	2.93
Wait-a-bit	8.38	4.59	1	14		Irish Town	2.53	0.98	30	6	3.11
Christiana	1.58	0.32	14	8	2.93	Hope Gardens	1.60	0.42	26	10	2.58
Holmwood	2.02	0.78	25	12		Waireka					
Clifton Hill	2.65	1.30	20	5	1.57	Ivor	2.15			10	
Kendal, Manchester	1.54	0.95	20	7	2.50	Barbican	2.16	0.75	26	7	
						Plumb Point L. H.	2.10	1.65	26	3	1.31

STATIONS.	December, 1936.					STATIONS.	December, 1936.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	2.17	1.06	27	4	1.91	Stone's Hope	3.04	0.90	20	10	2.45
Cavaliers	1.92	0.88	26	8		Newport, Man.	2.84	0.80	27	11	3.02
Upper Kingston	1.37	0.56	26	8	0.73	Alligator Pond	3.26	0.75	20	8	1.97
Parade Garden	1.12	0.26	26	5		Fairfield	2.64	1.11	24	16	2.43
Kingston P.W.O.	1.12	0.28	26	9	1.41	Pepper					
Constant Spring	1.65	0.51	30	8		Myersville	2.76	0.98	24	9	
Halfway Tree	3.16	1.14	30	9	1.70	Goshen	2.51	1.23	28	5	
Clifton Pen	1.85	1.07	30	6	1.10	Southfield, St. Eliz.	3.03	0.91	20	12	1.61
Seaward Pen	1.67	0.60	26	4		Windsor, St. Eliz.	3.24	1.00	24	12	
Red Hills	2.06	0.76	30	14		Torrington	2.87	1.24	24	7	2.42
Quarantine Station	1.50	0.50	27	8	0.79	Santa Cruz	5.18	2.04	27	10	2.60
Hematine	1.12	0.61	30	4	1.34	Hounslow	3.00	1.10	24	5	
Spanish Town	1.21	0.56	30	4	1.79	Pedro Plains	1.93	0.67	20	6	1.44
The Stewartry						Mountainside	4.42	1.21	30	8	1.29
Hog Hole, St. Cath.	1.13	0.57	30	6	1.98	Fort Charles	2.56	0.80	30	5	
Clairmont	2.07	1.90	7	5		Black River	2.10	0.96	27	11	2.22
Old Harbour	2.02	1.00	30	3	2.33	Mt. Charles	2.99	0.92	27	10	
May Pen	2.12	0.73	24	8	2.00	Font Hill	3.05	0.80	21	7	1.99
Glen Muir	1.00	0.60	26	2		Mount Edgecombe	3.52	0.73	1	13	2.36
Cottage	1.59	0.89	26	7		Sweet River					2.22
Belle Plain	2.55	1.98	24	5		Sav.-la-Mar	3.71	2.29	17	6	1.96
Milk River	2.78	0.71	24	9	1.82	Little London	6.45	2.00	7	7	2.17
Retrieve	2.93	0.83	30	6	1.25	Retreat	2.68	1.15	19	6	2.21
Hog Hole, S. Man.					1.83	Negril Point L.H.	2.34	0.76	17	7	1.97

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	December.			
	Rainfall.		Rainy Days.	
	1936.	Ave.	1936.	Ave.
	Ins.	Ins.		
North-Eastern	9.63	10.32	15	14
Northern	4.37	5.03	11	9
West-Central	3.44	3.26	9	7
Southern	2.74	2.19	8	6
The Island means	5.05	5.20	11	9

## SHOCKS OF EARTHQUAKE IN DECEMBER, 1936.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—DECEMBER.

The mean rainfall for the Island was slightly below the average. The North-Eastern and Northern Divisions were below, while the West-Central and Southern Divisions were above normal.

The greatest total fall for the month was 32.59 inches at Millbank in the North-Eastern Division and the heaviest fall in 24 hours was 6.50 inches at Port Antonio in the same division on the 17th.

The mean number of rainy days was 11, the average for the month being 9. Barrett's Gap in the North-Eastern Division had most rainy days—24.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 15.28 inches was highest; St. Mary with 9.79 inches, was next, and St. Ann with 7.40 inches was third. Kingston with 1.43 inch was lowest. It will be observed, however, that the rainfall in all the parishes exceeded the 10-year average.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches. <sup>o</sup>	Inches.
Kingston ..	1.43	0.82	St. James ..	4.12	2.85
St. Andrew ..	3.91	3.40	Hanover ..	3.32	2.55
St. Thomas ..	5.09	4.31	Westmoreland ..	3.64	1.90
Portland ..	15.28	14.43	St. Elizabeth ..	3.49	1.70
St. Mary ..	9.79	8.97	Manchester <sup>o</sup> ..	2.41	1.84
St. Ann ..	7.40	6.14	Clarendon ..	2.35	1.54
Trelawny ..	5.01	3.25	St. Catherine ..	3.40	2.98

Northers were experienced on the Northside in the latter part of the month and did some damage to banana cultivations.

## THE YEAR 1936.

The Comparative Table A gives the mean monthly rainfall in each division, with the respective totals, compared with the 60-year average, and shows an excess of 12.33 inches.

The mean number of rainy days is also given, compared with the 36-year average, and shows an excess of 13.

The mean rainfall per rainy day was 0.64 inch.

In the first half of the year the rainfall was 57% above the average, but in the second half it was 12% below.

Table B gives the mean monthly rainfall in the 14 parishes, with the respective totals, compared with the 10-year average. Portland, with 148.27 inches, had the highest total for the year; Manchester, with 109.54 inches, was next; and Clarendon, with 96.06 inches, was third. Kingston with 41.67 inches was lowest. It will be observed that the rainfall in all the parishes exceeded the 10-year average.

The differences that will be observed between Tables A and B as regards both the total for the year and that for each month, are due to the former being based only on stations with an average, while the latter includes all stations.

## CITY OF KINGSTON.

Total rainfall for the month of December was 1.12 inch as compared to the 60-year normal of 1.41 inch, or 0.29 inch below the normal. The greatest rainfall in 24 hours was 0.28 inch on the 26th. There were nine days with rain, as compared to the 49-year average of five. The upper boundary of Kingston gauged 1.37 inch with eight days rain.

The number of days upon which distant rain was observed, are as follows: to the northward, eight; to the north-eastward five, to eastward three and to the south-east and south one each.

Distant thunderstorm to the northward on the 27th, and to the seaward on the 30th.

The mean barometric pressure was 29.927 ins., the 33-year normal being 29.941 ins., shewing 0.014 inch below the normal. The highest reading was 30.002 ins. on the 15th at 3 p.m., and the lowest 29.848 ins. on the 11th at 7 a.m., corrected for diurnal variation.

Mean monthly temperature based upon four observations per day, was 76.5°; the 33-year normal being 76.8°, shewing 0.3° below the normal. The extreme maximum was 89.3° on the 5th, and the extreme minimum was 65.3° on the 13th, equivalent to an extreme monthly range of 24.0°. On the other hand the lowest maximum was 83.4° on the 2nd, and the highest minimum was 72.4° on the 6th. The maximum was below 90° throughout, and the minimum was above 70° seven times. The greatest daily range was 21.4° on the 12th, and the least range was 13.6° on the 2nd.

The mean daily miles of wind registered was 130: the 25-year normal being 146, shewing 11% below the average. The greatest number of miles of wind recorded in 24 hours was 200 on the 18th, and the least was 87 on the 23rd. South-easterly wind continued until after 7 p.m. on three occasions.

The mean relative humidity was 79%; the 33-year normal being 80%. The mean 7 a.m. was 86%, and the mean 3 p.m. 66%. The lowest 7 a.m. was 75% on the 14th, and the lowest 3 p.m. was 51% on the 13th.

Overcast conditions prevailed in the forenoon on five occasions and in the afternoon on eighteen.

The total evaporation for the month of December was 3.98 ins. The 10-year average being 4.37 ins. Mean daily number of sunshine hours was 6.3.



## CITY OF KINGSTON METEOROLOGICAL RESULTS FOR THE YEAR, 1936.

The recurring Table (C) giving the meteorological results for the year 1936, is appended.

The mean barometric pressure for the 12 months was for the 7 a.m. 29.920 ins., and for the 3 p.m. 29.872 ins. By applying the corrections for the diurnal variation, for these respective hours, an annual mean of 29.907 ins. is derived—which is 0.025 inch below that of the 33-year normal. The months of April and October were slightly above normal, the remainder of the months (10) were markedly below. The month of May shewed as much as 0.058 inch below its normal of 29.910 ins. There was a phenomenal rainfall over the Island at this time. The month of February shewed the highest mean of 29.957 ins. for the year, and the month of October the lowest mean of 29.876. The mean pressure for February was therefore 0.081 inch above that of October, being the mean range.

The mean annual temperature based upon four observations each day, (or 1,464 thermometer readings during the year,) was 78.8 degs. which is only 0.1 deg. above that of the 33-year normal of 78.7 degs. The highest maximum temperature was 92.3 degs. on July 4th and the lowest minimum was 65.3 degs. on December 13th. The monthly greatest extreme range was 24.5 degs. in March and the least range was 20.1 degs. in June. The mean monthly extreme range for the year was 22.5 degs. which is 1.2 deg. lower than the 33-year results.

The anemometer records for the year 1936 show a mean daily total miles of 181 which is 2 miles less than the 25-year average of 183. The months of January, February, April, July, October and November recorded winds above the normal. The remaining six months shewed below the normals. The greatest daily mean of 244 miles occurred in July, and the least mean of 130 occurred in December.

The mean relative humidity for the 7 a.m. observations was 83% which shews 1% above the 33-year average of 82% and the 3 p.m. observations give 67% which is 2% below the normal of 69%.

The total rainfall for the year as registered at the Public Works Building, Port Royal Street, Kingston, was 36.34 ins., the 60-year normal being 31.57 inches. June recorded the greatest with 13.80 inches and March, the least, with 0.20 inch.

The total number of rainy days was 79 which corresponds to the 60-year average. The greatest number of rainy days in one month was 18, in June, and the least was 3 in March and April.

The amount of cloudiness for the year was 52% as against the 33-year normal of 53%. This includes both 7 a.m. and 3 p.m.

## SUMMARY OF EXTREMES FOR THE YEAR.

In each monthly Weather Report there appear figures giving the extreme values of certain observations, deduced, which are reproduced in a Table "D" herein.

During the year 1936, February 23rd gave the highest barometer reading of 30.055 inches, and November 4th read the lowest, with 29.763 inches. The maximum temperature rose to 90 degs and above in the month of July on 13 days, and kept below 90 degs. in January, February and December. Then the minimum temperature was below 70 degs. for 24 days each in January, February and December, and kept above 70 degs. throughout the months of June and July, and taking the whole year the maximum temperature was 90 degs. and over on 36 days, and the minimum was below 70 degs. on 106 days in the early mornings. The maximum number of miles of wind registered in 24 hours was 407 on 4th February, and the minimum was 87 miles on 23rd December. The greatest rate of hourly velocity during a short interval of time, was 48 miles per hour on 17th July during a SE gale, accompanied by a rainsquall. May the 29th had a SE high wind of 22 m.p.h.

The lowest monthly 7 a.m. mean relative humidity was 78% in April and July, and the lowest mean 3 p.m. was 60% in February. Then for individual days the extreme lowest for 7 a.m. was 63% on 16th July and the extreme lowest 3 p.m. was 42% on 23rd February.

During the year the greatest rainfall in 24 hours occurred on 12th June with 4.40 inches, followed by 28th May with 3.60 inches.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman:—Total rainfall for the month of December was 10.20 inches. Greatest fall in 24 hours was 3.20 inches on the 9th with 5 rainy days.

J. F. BRENNAN,  
Govt. Meteorologist.

Kingston,  
January, 1937.

TABLE (A)—The Island Rainfall 1936 (In Inches).

Month.	Divisions.				The Island.		Rainy Days.	
	N.E.	N.	W.C.	S.	1936.	Average for 60 years.	Means for 1936.	Average for 35 years.
January ..	5.55	3.90	4.80	3.04	4.32	4.00	8	8
February ..	3.01	1.26	1.78	1.23	1.82	3.13	6	7
March ..	3.74	2.53	2.70	1.64	2.65	3.35	7	8
April ..	7.57	5.69	10.44	4.63	7.08	4.77	9	9
May ..	20.88	15.00	24.09	13.44	18.35	8.77	17	12
June ..	14.69	10.03	14.72	15.65	13.77	6.53	18	10
July ..	6.54	3.20	6.21	3.21	4.79	4.75	8	9
August ..	8.81	4.75	11.33	6.89	7.95	6.93	12	11
September ..	7.10	5.79	9.21	5.42	6.88	7.94	13	13
October ..	8.66	5.70	8.83	7.71	7.73	10.21	14	14
November ..	8.58	4.66	6.87	3.13	5.81	8.29	12	12
December ..	9.63	4.37	3.44	2.74	5.05	5.20	11	9
Total 1936 ..	104.76	66.88	104.42	68.73	86.20	..	135	
Total 60-year Average ..	99.54	56.68	87.84	51.42	..	73.87	..	122

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TABLE B.—Mean Rainfall in Inches for each Parish for the year 1936.

Parish.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	10-year Average.
Kingston	0.72	0.53	0.23	0.74	9.04	16.30	1.41	4.48	1.55	4.62	0.62	1.43	41.67	30.46
St. Andrew	1.15	1.28	1.62	3.39	19.91	13.27	2.43	9.59	9.74	7.35	4.07	3.91	77.71	68.47
St. Thomas	3.66	1.65	1.20	2.78	9.90	25.56	6.01	12.43	4.93	12.16	7.22	5.09	92.59	79.95
Portland	7.04	4.64	6.16	11.07	31.12	16.39	12.32	9.89	7.65	11.87	14.84	15.28	148.27	136.13
St. Mary	6.42	2.77	5.06	7.61	14.35	9.21	4.92	4.08	4.95	7.08	8.22	9.79	84.46	83.72
St. Ann	5.39	2.30	2.67	7.15	15.37	6.11	2.47	4.17	5.12	4.91	5.43	7.40	68.49	65.76
Trelawny	4.84	1.35	1.78	7.21	17.04	8.19	3.39	5.61	6.19	6.18	5.37	5.01	72.16	61.52
St. James	3.14	0.65	2.51	7.50	13.62	9.74	3.27	4.81	7.83	5.79	4.88	4.12	67.86	64.22
Hanover	4.19	2.27	2.54	6.33	12.67	13.23	7.90	9.84	7.15	8.09	6.22	3.32	83.75	81.25
Westmoreland	4.05	1.29	2.21	8.51	13.70	9.80	6.18	11.88	10.76	9.47	7.57	3.64	89.06	83.75
St. Elizabeth	4.36	1.30	2.06	7.84	20.50	12.71	3.05	9.92	8.58	7.85	5.14	3.49	86.80	65.74
Manchester	6.72	2.44	3.32	11.08	28.07	23.19	7.98	6.36	6.19	7.24	4.54	2.41	109.54	70.82
Clarendon	4.43	2.00	2.71	7.11	27.78	18.71	3.72	7.67	7.87	7.68	4.03	2.35	96.06	59.98
St. Catherine	2.24	1.71	2.64	4.87	19.25	13.72	2.77	8.72	6.45	6.11	3.95	3.40	75.83	64.75
Means	4.17	1.87	2.62	6.66	18.02	14.01	4.84	7.82	6.78	7.60	5.86	5.05	85.30	72.62

TABLE (C)—KINGSTON, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR 1906.  
(FOR ELEVATION, See Foot Notes 1 and 2).

Month.	Barometer Pressure.		TEMPERATURE. (FAH.)										Dewpoint and Relative Humidity.		Rainfall (ins.)		Rainy Days.
			7 a.m.					3 p.m.									
	7 a.m.	3 p.m.	Ins.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range.	7 a.m.	3 p.m.	Actual.	Av. for 60 yrs.	
January	29.952	29.894	Ins.	76.4	69.5	83.7	85.8	68.5	17.3	88.6	66.1	22.5	64	69	0.66	0.87	4
February			970	75.9	69.1	83.6	85.0	68.0	17.0	89.2	65.7	23.5	64	68	0.55	0.61	4
March			935	77.2	71.7	83.8	85.6	69.8	15.8	90.6	66.1	24.5	66	70	0.20	0.94	3
April			964	79.3	75.4	84.8	87.3	71.8	15.5	91.9	67.6	24.3	68	71	1.20	1.17	3
May			869	80.7	78.1	85.1	88.2	73.4	14.8	90.4	69.3	21.1	71	73	8.95	4.01	8
June			879	80.1	78.0	84.0	86.5	74.0	12.5	90.2	70.1	20.1	73	86	13.80	3.53	18
July			941	81.5	78.1	87.6	89.4	74.3	15.1	92.3	70.7	21.6	71	78	0.97	1.53	4
August			899	80.7	76.8	85.8	88.7	73.7	15.0	91.0	69.7	21.3	71	84	3.94	3.60	8
September			895	79.7	74.9	84.9	88.8	72.4	16.4	90.5	69.4	21.1	71	85	0.57	3.87	4
October			890	79.2	74.1	84.4	87.9	72.4	15.5	91.2	68.1	23.1	70	88	3.79	7.10	8
November			905	78.9	72.9	85.4	87.7	71.5	16.2	90.5	67.9	22.6	69	87	0.59	2.92	6
December			29.940	76.5	69.7	83.7	86.1	68.6	17.5	89.3	65.3	24.0	65	86	1.12	1.41	9
Means			29.920	78.8	74.0	84.7	87.2	71.5	15.7	90.5	68.0	22.5	69	83	72	67	..
Totals			..	..	..	..	..	..	..	..	..	..	..	..	36.34	31.56	79

NOTES:—(1) Since the year 1907 the observations have been made as follows:—

At 1484 East Street—(a) Pressure, Barometer 111 ft. above sea level. (b). Temperature, (Thermometers 107 ft. above sea level and 4 feet above ground). (c) Clouds and their direction.

At Public Works Building, Port Royal Street—(d) Rainfall, (Gauge 57.28 ft. above sea level. (e) Wind—(Anemometer 69.38 ft. above sea level, wind vane 70.88 ft. above sea level.)

(2) Standard Barometer at Public Works Building—24 ft. above sea level.

TABLE (C) *contd.*, KINGSTON, 1936—MEAN RESULTS.

Month.	Wind. Miles per hour.	Wind: from and Miles per hour.			Clouds: in Tenths.						Weather Conditions, etc.
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.		Upper.		
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	103	NNE 5.0	SE 14.8	NE 5.3	1.0	0.6	1.1	2.8	1.4	0.6	Rainfall about three-quarters of normal. Distant rain to N. 2 days, N.E. 3 days, W and N.W. 1 day each. Overcast a.m. 6, and p.m. 13 occasions.
February	191	NE 4.5	SE 12.3	E 6.3	0.4	0.7	0.3	3.1	2.3	0.4	Rainfall nine-tenths of normal. Distant rain to N. 3 days, N.E. 2, and N.W. 1 day. Overcast a.m. 3, and p.m. 14 occasions.
March	186	NE 5.2	SE 13.8	ENE 4.4	1.1	1.4	0.4	2.5	3.3	0.2	Rainfall less than one-quarter of normal. Distant rain to N. 5 days, N.E. 5, and N.W. 4 days. Overcast a.m. 8 and p.m. 16 occasions.
April	204	NE 5.1	SE 16.3	NE 4.9	1.1	1.0	2.1	4.6	1.7	0.3	Rainfall slightly above normal. Distant rain to N. on 5 days, N.E. 2, E. 2, S.W. and W. 1 each. Overcast a.m. 11, and p.m. 17 occasions.
May	176	NNE 5.1	SE 12.3	NE 5.5	0.7	0.5	3.3	6.6	0.8	0.9	Rainfall more than double the normal. Distant rain to N. 21 days, N.E. 12, E. 4, W. 1, and N.W. 2 days. Overcast a.m. 10 days, p.m. 24.
June	233	ESE 7.8	SE 14.8	E 5.8	4.0	0.2	3.0	5.4	0.7	2.4	Rainfall nearly four times the normal. Distant rain to N. 14 days, N.E. 7, E. 7, S.E. 8, S. 5, S.W. 3, W. 4, and N.W. 5 days. Overcast a.m. 19 occasions and p.m. 24.
July	244	E 6.3	SE 18.7	NE 4.8	1.0	0.3	2.3	1.8	0.6	3.6	Rainfall two-thirds of normal. Distant rain to N. 1 day, N.E. 2, E. 3, S.E. 2, S.S.W. and W. 1 day each. Overcast a.m. 9, and p.m. 17 occasions.
August	163	N 4.5	SE 14.3	N 3.0	1.3	0.2	2.5	4.1	2.0	2.5	Rainfall above normal. Distant rain to N. 11 days, N.E. 5, E. 3, S.W. 1, and N.W. 4 days. Overcast a.m. 11 and p.m. 25 occasions.
September	151	N 3.9	SE 11.1	N 3.7	1.2	0.2	2.3	6.0	0.7	1.3	Rainfall one-sixth of normal. Distant rain to N. 20 days, N.E. 6, E. 2, S.E. 2, W. 1, and N.W. 4. Overcast a.m. 9, and p.m. 21 times.
October	159	NNE 4.7	SE 10.6	NE 4.4	2.0	0.1	1.7	5.7	0.8	1.3	Rainfall one-half of normal. Distant rain to N. 13 occasions, N.E. 1, E. 2, S.E. 3, S. 1, S.W. and W. 2 each, and W. 3. Overcast a.m. 11 and p.m. 21 times.
November	148	N 4.4	SE 11.9	N 4.2	2.0	0.3	1.1	3.2	1.7	0.9	Rainfall one-fifth of normal. Distant rain to N. 4 days, N.E. 3, E.N.E. 5, and S.W. 1 day each. Overcast a.m. 8 occasions and p.m. 12.
December	130	N 4.2	SE 9.4	N 4.0	0.4	0.6	1.2	4.5	2.5	0.1	Rainfall about four-fifths of normal. Distant rain to N. 8 occasions, N.E. 5, E. 3, S.E. and S. 1 each. Overcast a.m. 5 occasions, p.m. 18.
Means	181	NE 5.6	SE 13.4	NE 4.7	1.3	0.5	1.8	4.1	1.5	1.2	Rainfall for the year 36.34 inches with 79 Rainy Days.

TABLE (D).—Summary of Extremes of Instrumental Observations, for the Year 1936.

Month.	Barometer.			Temperature (Fah.)		Surface Wind.				Relative Humidity lowest.			Rainfall greatest in 24 hours.					
	Highest.	Lowest.	Date	90° and above No. of days.	Below 70° No. of days.	Miles in 24 hours.			Greatest Velocity.	7 a.m.		Amount. (Ins.)	Date.					
						Greatest	Least.	Date		%	%							
														Greatest	Miles per Hour.	Date	%	
January	30.008	29.822	23	0	24	320	18	116	25	30	4	73	4					42
February		.055	23	0	24	407	4	104	2	30	26	4	66	4	42	23	0.35	13
March		29.978	24	1	16	346	10	132	18	24	27	4	71	22	50	3	0.16	12
April		30.036	9	1	7	369	2	113	28	34	2	68	3	52	30	1.10	21	
May		29.935	4	1	1	365	28	107	18	22	29	70	12	56	2	3.60	28	
June		.992	29 & 30	2	0	393	12	96	18	30	12	68	28	57	26	4.40	12	
July		.991	17	13	0	374	16	108	22	48	17	63	16	47	4	0.44	8	
August		.974	4	9	1	234	11	110	2	30	26	74	3	60	12	2.27	26	
September		.959	26	3	2	237	22	103	12	30	17	75	23	54	22	0.31	1	
October		.938	24	3	2	337	9	95	30	24	7	79	29	58	5	1.27	6	
November		30.014	28	3	5	264	12	93	17	24	7	79	9	57	2 & 24	0.27	28	
December		30.002	15	0	24	200	18	87	23	30	18	75	14	51	13	0.28	26	

The barometer readings are reduced to sea level, also corrected for diurnal variation.